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REPORT
OF THE
BOARD OF FIRE COMMISSIONERS.
1885.



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THE SECOND ANNUAL REPORT.

Baltimore.

OF THE

BOARD OF FIRE COMMISSIONERS,

AND

TWENTY-SEVENTH ANNUAL REPORT

OF THE

FIRE DEPARTMENT,

TO THE

Mayor and City Council of Baltimore,

FOR THE FISCAL YEAR ENDING DECEMBER 31, 1885.



BALTIMORE:

PRINTED BY STEPHEN TONGUE,

CITY PRINTER.

1886.

OFFICERS OF THE FIRE DEPARTMENT.

FIRE COMMISSIONERS:

SAMUEL KIRK, *President*.

JOHN F. HUNTER. J. ALEXANDER PRESTON.

SECRETARY AND CLERK:

DAVID H. LUCCHESI.

CHIEF ENGINEER:

JOHN M. HENNICK.

ASSISTANT ENGINEERS:

GEORGE W. ELLENDER. THOS. F. MURPHY.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

CHARLES J. McALEESE.

SUPERINTENDENT OF MACHINERY:

GEORGE W. LINSENMEYER.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL,

BALTIMORE, January 1, 1886.

*To the Honorable the Mayor
and City Council of Baltimore :*

GENTLEMEN :

The undersigned, Commissioners, respectfully submit to your consideration their report for the year ending December 31, 1885.

Since our last report, by ordinance approved in March, 1884, the permanent members of this Department have been increased by giving an additional fireman to each engine company, and two additional laddermen to each of the hook and ladder companies.

The Department, with this exception, so far as the number of its members, remains the same; the whole force being divided among the thirteen engine companies, and the four hook and ladder companies.

During the year 1885, the Department has purchased and added to its equipment 5,800 feet of new gum hose, besides re-lining and re-jacketing 4,600 feet of fabric hose, making it as serviceable as when first pur-

chased. Two new engines with all the modern improvements have been built and placed in service, together with one hose carriage, one Dayton wagon for the Telegraph Department, one Concord wagon for the Chief Engineer, and one wagon for supplies. The Department has obtained, by exchange or purchase, twenty-four new horses, in the place of horses rendered unfit for service.

In connection with the telegraphic portion of this Department during the past year, sixteen new fire-alarm signal boxes have been erected. Some of the engine houses have been refurnished with carpeting, and the bedding renovated, and in some instances, renewed.

The Commissioners take pride in stating that the Department is better equipped, in every respect, than it ever has been since its existence—the machinery, horses and harness being all in good order and of the best quality. For its size, it is as efficient and as well equipped as any fire department in this country.

The present Commissioners took charge of the Department with a debt of over eight thousand dollars, and on the 31st day of December, 1885, every dollar of indebtedness of every kind and description has been paid out of the appropriation for its support, and a small sum has been returned to the city treasury.

The increase of buildings in Baltimore, their changed character and construction, make it the duty of the Fire Commissioners to urge on your honorable body an increase of the force of the Department as a protection to certain portions of the city, now almost

unprotected. This same matter was persistently urged in our last report, and we again reiterate it—the north-eastern portion of the city especially requiring protection, the engine companies and trucks being located at a great distance from that section of the city.

The number of fires in 1884 amounted to 388, whilst the losses aggregated \$617,871.79. In 1885 there occurred 474 fires, the losses from which reached the sum of \$441,743.06. The undersigned would respectfully call the attention of your honorable body to the suggestions of the Chief Engineer of the Department, and the Superintendent of Police and Fire Alarm Telegraph, contained in their report, and which we return herewith as part of this report.

The Commissioners file with this report Exhibits A, B, C, D, and E.

Exhibit A shows the amount appropriated by the Mayor and City Council for the Department in 1885, and the expenditures for that period.

Exhibit B shows the appropriation for disabled firemen in 1885, and its disbursement; also, special appropriations.

The Commissioners append herewith the estimate of the financial requirements of the Department for 1886.

Exhibit C shows the general receipts of the Department for 1885.

Exhibit D shows the general expenditures for 1885, and Exhibit E the general statement for 1885.

ESTIMATE FOR 1886.

Salaries	\$133,000 00
Apparatus, two new engines.. ..	7,500 00
Apparatus repairs.....	4,000 00
Accident.....	2,000 00
Feed.....	10,000 00
Fuel.....	2,500 00
Furniture.....	700 00
Harness.....	500 00
Horse-shoeing	1,300 00
Hose and sucking sleeves.....	5,500 00
Horses.....	3,000 00
Ground rent	800 00
Gas	1,500 00
Oils, grease, &c.....	1,500 00
Office expenses, including printing report, and Messenger's salary.....	1,200 00
Rent of telephones.....	900 00
Miscellaneous.....	1,000 00
Washing.....	1,400 00
Insurance.....	1,100 00
Sick account.....	1,500 00
Disabled firemen.....	2,000 00
Telegraph.....	16,950 00
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	\$199,850 00

SAMUEL KIRK, *President.*

JOHN F. HUNTER,

J. ALEXANDER PRESTON.

Fire Commissioners.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Mayor and City Council for 1885.....	\$194,416 26
Amount drawn from City Comptroller.....	194,414 17
	<hr/>
Balance undrawn.....	\$2 09

EXHIBIT B.

Special Appropriations.

Amount appropriated by Mayor and City Council, Resolution No. 31, for one (1) Fire Alarm Box, 19, to be placed at Bayview Asylum.....	\$250 00
Amount drawn from City Comptroller..	248 94
	<hr/>
Amount undrawn.....	\$1 06

Amount appropriated by Mayor and City Council, Resolution No. 89, for fifteen (15) Fire Alarm Boxes, viz: 81, 146, 147, 182, 183, 184, 247, 248, 346, 419, 524, 545, 562, 623, 472..	\$3,000 00
Amount drawn from City Comptroller.....	2,998 65
	<hr/>
Amount undrawn.....	\$1 35

EXHIBIT B—Concluded.

Amount appropriated by Mayor and City Council, Resolution No. for four (4) disabled firemen.....	\$1,600 00
Amount drawn from City Comptroller.....	1,600 00
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Amount appropriated by Mayor and City Council, Resolution No. , for Lewis Pistel, disabled fireman.....	\$400 00
Amount drawn from City Comptroller.	400 00
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Amount appropriated by Mayor and City Council, Resolution No. 57, for placing “lightning and dynamo” arresters.....	\$3,500 00
Amount expended by Superintendent of Police and Fire Alarm Telegraph	3,436 75
	<hr/>
Amount undrawn.....	\$63 25

Amount appropriated by Mayor and City Council, Resolution No. 106, for a lot on Harford avenue, for new hook and ladder or engine house.	\$4,000 00
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Amount not drawn... ..	\$4,000 00

EXHIBIT C.

General Receipts.

Balance on hand—store-room stock—December 31, 1884.....	\$	149 45
Amount drawn from City Comptroller for the year 1885.....		194,414 17
Amount received from sale of manure and old material.....		327 90
Amount received from Insurance Company for injured members		757 84
Total.....	\$	195,649 36

EXHIBIT D.

General Expenditures.

Showing the amount expended on each account for the year ending
December 31, 1885.

Salaries	\$129,513 40
Apparatus and repairs.....	12,989 32
Accident.....	975 90
Feed.....	8,234 80
Fuel.....	1,933 07
Furniture.....	832 01
Harness.....	472 25
Horse-shoeing	1,474 49
Hose.	6,950 89
Horses.....	5,143 40
Ground rent.....	874 25
Gas.....	804 81
Oils, grease, &c.....	1,449 51
Office expenses.....	888 24
Miscellaneous	700 26
Washing.....	1,236 25
Insurance.....	1,728 00
Fire Alarm Telegraph.....	17,820 40
Sick members	393 92
	<hr/>
	\$194,415 17
Insurance indemnity received from Insurance Company and paid to members of the Department	757 84
	<hr/>
	\$195,173 01

EXHIBIT E.

General Statement.

Receipts from all sources.....	\$195,649 36
Expenditures.....	\$195,173 01
Amount paid City Register. . . .	327 90
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	\$195,500 91
Balance store-room stock, Dec.	
31, 1885.....	148 45
	<hr/>
	\$195,649 36

REPORT
OF THE
CHIEF ENGINEER.

BALTIMORE, January, 1, 1886.

OFFICE CHIEF ENGINEER BALTIMORE CITY FIRE DE-
PARTMENT.

To the Honorable Board of Fire Commissioners :

GENTLEMEN :

I herewith present to your Honorable Body the twenty-seventh annual report of the Department, for the year ending December the 31st, 1885, showing the equipment of the Companies, condition of the apparatus, quantity and condition of the hose, number of horses, number of fires, accidents to members, and other matters pertaining to the Department.

The Department consists of thirteen (13) Engine and four (4) Hook and Ladder Companies. Nos. 1, 2, 3, 4 and 5 Engine Companies have five permanent and seven call members ; Nos. 6, 7, 9 and 12 Engine Companies have five permanent and six call members ; Nos. 8, 10, 11 and 13 Engine Companies have four permanent and seven call members. The Hook and Ladder Companies have six permanent and six call members.

APPARATUS.

There are eighteen steam Fire Engines, thirteen in regular service, and five in reserve ; twenty-six Hose

Carriages in regular service, two to each Engine Company; six Hook and Ladder Trucks, four in regular service and two in reserve; four of them are Hayes' Trucks, with extension ladders, and two are Bank Ladder Trucks; four Fuel Wagons; eleven heaters, with connections to the Engines; five Concord Wagons, painted red, with large gongs on, for the use of the officers; three wagons used by the Telegraph Department, and one Supply Wagon. All the apparatus is in good serviceable condition.

PERMANENT MEMBERS, UNIFORMED, AND PAY ROLL.

Chief Engineer.....	\$2,000 00
2 Assistant Engineers, each	1,400 00
Superintendent of Machinery.....	1,400 00
13 Enginemen of Engine Co.'s, each	1,100 00
13 Assistant Enginemen of Engine Co.'s, each	900 00
13 Drivers of Engine Companies, each	900 00
22 Firemen of Engine Companies, each.....	800 00
4 Tillermen of Hook and Ladder Co.'s, each.	900 00
4 Assist. Tillermen of Hook and Ladder Co.'s, each.....	900 00
4 Drivers of Hook and Ladder Co.'s, each ..	900 00
12 Laddermen of Hook and Ladder Co.'s, each.	800 00

89 Permanent Members.

On March the 3d, an ordinance was passed by the City Council to add twenty-one (21) additional permanent members to the force of the Department. This was done by taking one of the call firemen in each of the Engine Companies, and two call laddermen in each of the Hook and Ladder Companies, who receive a

salary of \$400.00, per annum, and making them permanent members at a salary of \$800.00 per annum; this change adds \$8,400.00 to the pay roll, and has greatly increased the efficiency of the Department.

MEMBERS AT CALL, NOT UNIFORMED.

13 Captains of Engine Companies, each.....	\$500 00
74 Firemen of Engine Companies, each.....	400 00
4 Captains of Hook and Ladder Co.'s each	500 00
20 Ladderman of Hook and Ladder Co.'s each...	400 00
1 Superintendent of horses.....	500 00

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112

Making the working force 201 members.

There are five disabled members who are pensioned, receiving each \$400.00 per annum.

SUBSTITUTES.

There are five substitutes to each Company, these give their services to the Department for no compensation, except when on duty for regular members.

APPOINTMENTS, PROMOTIONS, TRANSFERS, RESIGNATIONS AND DEATHS.

APPOINTMENTS.

No. 1 Engine Company, Thomas Meushaw, appointed assistant engineman, and John H. Ossing and J. J. Brady, call firemen.

- No. 2 Engine Company, Richard Disney, appointed a call fireman.
- No. 5 Engine Company, Charles E. Dewitt appointed a call fireman.
- No. 6 Engine Company, Chas. Betz appointed a call fireman.
- No. 7 Engine Company, Francis Hart appointed driver, and Samuel Seymour a call fireman.
- No. 12 Engine Company, Ernest Schulte and Harmon Borcharding were appointed call firemen.
- No. 13 Engine Company, Thomas H. Wright appointed driver.
- No. 1 Hook and Ladder Company, Wm. Vanrossum appointed permanent ladderman.
- No. 3 Hook and Ladder Company, Joshua H. Miller and George Little appointed call ladderman.

PROMOTIONS.

- No. 1 Engine Company, John H. Morgan and Frederick Dunn, from call firemen to be permanent firemen.
- No. 2 Engine Company, Albert Squires, from call fireman to be permanent fireman.
- No. 3 Engine Company, George C. Hodges, from call fireman to be permanent fireman.
- No. 4 Engine Company, Constant Seibert, from call fireman to be permanent fireman.
- No. 5 Engine Company, William Burns, from call fireman to be permanent fireman.

- No. 6 Engine Company, Lawrence Blake, from call fireman to be permanent fireman.
- No. 7 Engine Company, Joseph Lavender, from call fireman to be permanent fireman.
- No. 8 Engine Company, Greenbury Chapman, from call fireman to be permanent fireman.
- No. 9 Engine Company, Chas. E. Neilson, from call fireman to be permanent fireman.
- No. 10 Engine Company, Justice E. Keilholtz, from call fireman to be permanent fireman.
- No. 11 Engine Company, Thomas Kane, from call fireman to be permanent fireman.
- No. 12 Engine Company, Edward Klessell, from call fireman to be permanent fireman.
- No. 13 Engine Company, Julien Masseiu from call fireman to be permanent fireman.
- No. 1 Hook and Ladder Company, John F. Mulligan, from call ladderman to be driver. Thomas B. Strahn, John B. Keene and Wm. E. Vanrossum, from call laddermen to be permanent laddermen.
- No. 2 Hook and Ladder Company, Wm. E. Quiglèy and Chas. C. Eichelberer, from call laddermen to be permanent laddermen.
- No. 3 Hook and Ladder Company, John W. Downs, call ladderman to be assistant Tillerman. Wm. Baker and Andrew German, from call laddermen to be permanent laddermen.
- No. 4 Hook and Ladder Company, John E. Kirby, from call ladderman to be Driver. Joseph Knell and Chas. Baker, from call laddermen to be permanent laddermen.

TRANSFERS.

Fireman Joseph Kelly, from No. 11 Engine Company to No. 9 Engine Company, as driver.

Permanent fireman Wm. E. Reilly, from No. 3 Engine Company to No. 2 Hook and Ladder Company, as a call ladderman.

Assistant Engineman, C. Kuhan, from No. 10 Engine Company to be assistant engineman in No. 6 Engine Company.

Assistant Engineman James Nugent, from No. 1 Engine Company to be assistant Engineman in No. 10 Engine Company.

Driver John Battee, from No. 1 Hook and Ladder Company to be a call fireman in No. 3 Engine Company.

Driver Chas. Nelson, from No. 9 Engine Company to be a call fireman in No. 11 Engine Company.

Permanent ladderman Wm. E. Dauterich, from No. 3 Hook and Ladder Company to be a permanent fireman in No. 3 Engine Company.

RESIGNATIONS,

Call ladderman John Lynch, of No. 2 Hook and Ladder Company, and permanent fireman Robert Close, of No. 1 Engine Company, resigned to take positions on the police force.

Assistant Engineman Robert J. Boyle, of No. 6 Engine Company, and call fireman Edward Bailey, on account of bad health.

DEATHS.

The only fatal accident during the year was that which occurred to call fireman Michael Halloran, of No. 1 Engine Company, who was fatally injured by falling from a ladder while holding the pipe in a third-story window, at the burning of Laupheimer Bros. & Co's chemical factory, Nos. 31, 33 and 35 south Eutaw street, on August the 3d; there was a dense yellow smoke issuing from the windows, by which it is supposed he was overcome. The accident occurred at 1 o'clock, P. M., and he died at 6.30 P. M. same day. He was a brave fireman, and died at his post of duty. He had been connected with the department for seven years, which time was served in No. 1 Engine Company. His widow received one thousand (\$1,000) dollars, as provided in the city ordinance.

EQUIPMENT OF COMPANIES.

No. 1 Engine Company has a double vertical, crane-neck engine. It was built by Ives & Son in 1874, and re-built by the La France Company at Elmira, New York, in 1884. It has a nest-flue boiler. Diameter of pumps, $4\frac{3}{4}$ inches; diameter of steam cylinders, 8 inches; length of stroke, 10 inches; capacity, 900 gallons per minute; weight, as drawn by two horses to fires, 9,200 pounds; two Prunty relief valves and a steam heater; two four-wheel hose carriages, with

2,100 feet of double-jacket fabric hose, and 400 feet of gum hose in good condition, and 1,000 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose and pipes; two hose pipes, with shut-off nozzles; four horses, and two double sets of swinging harness.

No. 2 Engine Company has a straight frame, horizontal engine. It was built by Ives & Son in 1866, and rebuilt by the La France Company in 1884. It has a nest-flue boiler. Diameter of pump, $5\frac{3}{4}$ inches; diameter of steam cylinder, 9 inches; length of stroke, 12 inches; capacity, 550 gallons per minute; weight, as drawn by two horses to fires, 8,000 pounds; two prunty relief valves and a steam heater; two four-wheel hose carriages, with 130 feet of double-jacket fabric hose, and 1,500 feet of gum hose in good condition, and 400 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose and pipes; two hose pipes, with shut-off nozzles; four horses and two double sets of swinging harness; one Concord wagon, two horses, and two sets of harness for the use of the Chief Engineer.

No. 3 Engine Company has a double vertical, crane-neck engine. It was built by Ives & Son in 1875, and re-built by Clapp & Jones at Hudson, New York, in 1884. It has a drop-flue boiler. Diameter of pumps, 5 inches; diameter of steam cylinders, 8 inches; length of stroke, 10 inches; capacity, 1020 gallons per minute; weight, as drawn by two horses to fires, 9,400 pounds; two Prunty relief valves and a steam heater; two four-wheel hose carriages, with 1,300 feet of double-jacket fabric hose, and 700 feet of gum hose in good condition,

and 600 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose, and pipes; two hose pipes, with shut-off nozzles; four horses, and two double sets of swinging harness.

No. 4 Engine Company has a double vertical, crane-neck engine. It was built by Ives & Son in 1875, and re-built by the La France Company in 1882. It has a nest-flue boiler. Diameter of pumps, $4\frac{3}{4}$ inches; diameter of steam cylinders, 8 inches; length of stroke, 10 inches; capacity, 900 gallons per minute; weight, as drawn by two horses to fires, 9,400 pounds; two Prunty relief valves and a steam heater; two four-wheel hose carriages, with 2,650 feet of double-jacket fabric hose, and 50 feet of gum hose in good condition, and 400 feet of gum hose in medium condition; four fire extinguishers, forty-six feet of hose and pipes; three hose pipes, with shut-off nozzles; four horses, and two double sets of swinging harness.

No. 5 Engine Company has a double-half, crane-neck, horizontal engine, built by Clapp & Jones. It was placed in service on December 27th, 1885. It has a drop-flue boiler. Diameter of pumps, $3\frac{3}{4}$ inches; diameter of steam cylinders, $6\frac{1}{2}$ inches; length of stroke, 7 inches; capacity, 500 gallons per minute; weight, as drawn by two horses to fires, 6,825 pounds; two Prunty relief valves and a steam heater; two four-wheel hose carriages, with 950 feet of double-jacket fabric hose, and 700 feet of gum hose in good condition, and 600 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose

and pipes; two hose pipes, with shut-off nozzels; four horses, and two double sets of swinging harness.

No. 6 Engine Company has a rotary crane-neck engine, built by the La France Company; it was placed in service on December the 18th, 1884; it has a nest-flue boiler, capacity 500 gallons per minute; weight as drawn by two horses to fires, 7,400 pounds; two Prunty relief valves, and a steam-heater; two four wheel hose carriages, with 1,600 feet of double-jacket fabric hose, in good condition, and 400 feet of gum hose, in medium condition; two five-gallon fire extinguishers, with 25 feet of hose and pipes; two hose pipes with shut-off nozzles; four horses, and two double sets of swinging harness; one Concord wagon, with one horse and harness, for the use of the assistant engineer of the eastern district.

No. 7 Engine Company has a straight frame vertical engine; it was rebuilt by Clapp & Jones, and placed in service on November 26th, 1883; it has a drop-flue boiler; diameter of pump 5 inches; diameter of steam cylinder 9 inches; length of stroke 12 inches; capacity 450 gallons per minute; weight as drawn by two horses to fires 6,900 pounds; two Prunty relief valves, and a steam heater; two four-wheel hose carriages, with 1,600 feet of double-jacket fabric hose, and 200 feet of gum hose in good condition, and 600 feet of gum hose, in medium condition; two five-gallon fire extinguishers, with 25 feet of hose and pipes; two hose-pipes, with shut-off nozzles; four horses and two double sets of swinging harness.

No. 8 Engine Company has a straight-frame horizontal engine, with a double-acting Fulton pump; it was built by Poole & Hunt in 1868, and rebuilt by Ives & Bro. in 1878; diameter of pump $4\frac{1}{4}$ inches; diameter of steam cylinder, 11 inches; length of stroke, 8 inches; capacity, 240 gallons per minute; weight as drawn by two horses to fires, 6,800 pounds; two Prunty valves and a steam-heater; two four-wheel hose carriages, with 900 feet of double-jacket fabric hose, and 350 feet of gum hose, in good condition, and 800 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose and pipes; two hose pipes, with shut-off nozzles; four horses and two double sets of swinging harness.

No. 9 Engine Company has a straight-frame horizontal engine; it was built by Ives & Bro., 1870; diameter of pump, 5 inches; diameter of steam cylinder, 12 inches; length of stroke, 12 inches; capacity, 340 gallons per minute; weight as drawn by two horses to fires, 7,800 pounds; two Prunty relief valves and a steam heater; two four-wheel hose carriages, with 950 feet of double-jacket fabric hose, and 800 feet of gum hose, in good condition, and 800 feet of gum hose in medium condition; two five gallon fire extinguishers, with 25 feet of hose, and pipes; two hose pipes, with shut-off nozzles; four horses, and two double sets of swinging harness; a carriage horse and harness, for the use of the veterinary surgeon.

No. 10 Engine Company has a straight-frame horizontal engine; it was built by the Hydraulic Company, at Philadelphia, Pa., in 1866, and had a new fire-box

and set of smoke-flues put in the boiler in 1884; diameter of pump, 4 inches; diameter of steam cylinder, 8 inches; length of stroke, 12 inches; capacity, 280 gallons per minute; weight as drawn by two horses to fires, 6,600 pounds; two Prunty relief valves; two four-wheel hose carriages, with 1,250 feet of gum hose, in good condition, and 400 feet of gum hose, in medium condition; two five-gallon fire extinguishers, with 25 feet of hose, and pipes; two hose pipes, with shut-off nozzles; four horses, and two double sets of swinging harness.

No 11 Engine Company has a straight-frame, horizontal engine, with a double-acting Fulton pump. It was built by Poole & Hunt in 1868, and re-built by Ives & Brother in 1875. Diameter of pump, $4\frac{1}{2}$ inches; diameter of steam cylinder, 11 inches; length of stroke, 8 inches; capacity, 240 gallons per minute; weight, as drawn to fires by two horses, 6,430 pounds; two Prunty relief valves and a steam heater; two four-wheel hose carriages, with 500 feet of double-jacket fabric hose, and 700 feet of gum hose in good condition, and 1,000 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose, and pipes; two hose pipes, with shut-off nozzles; four horses, and two double sets of swinging harness.

No. 12 Engine Company has a double straight-frame, horizontal engine. It was built by Clapp & Jones, and placed in service on August 6, 1885. It has a drop-flue boiler. Diameter of pumps, $3\frac{3}{4}$ inches; diameter of steam cylinders, $6\frac{1}{2}$ inches; length of stroke, 7 inches; capacity, 500 gallons per minute; weight, as drawn by

two horses to fires, 6,830 pounds; two Prunty relief valves, and a steam-heater; two four-wheel hose carriages, with 150 feet of double-jacket fabric hose, and 1,500 feet of gum hose in good condition, and 500 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose, and pipes; two hose pipes with shut-off nozzles; four horses, two double sets of swinging harness and a fuel wagon.

No. 13 Engine Company has a straight-frame horizontal engine. It was built by Ives & Brother in 1876. Diameter of pump, $5\frac{1}{2}$ inches; diameter of steam cylinder, $9\frac{1}{2}$ inches; length of stroke, 12 inches; capacity, 280 gallons per minute; weight as drawn by two horses to fires, 7,880 pounds; two Prunty relief valves; two four-wheel hose carriages, with 2,200 feet of double-jacket hose in good condition, and 650 feet of gum hose in medium condition; two five-gallon fire extinguishers, with 25 feet of hose, and pipes; two hose pipes with shut-off nozzles; four horses and two double sets of swinging harness; one wagon; two horses, and a set of harness for the use of the linemen of the telegraph department.

No. 1 Hook and Ladder Company has the Hayes' Patent Extension Ladder Truck and Fire Escape, consisting of an extension ladder that can be elevated to the height of 85 feet; and seven other ladders. It carries two 15 gallon fire extinguishers, with 150 feet of hose, and pipes, and all other tools and equipments for service; one fuel wagon; three horses and one double set of swinging harness.

No. 2 Hook and Ladder Company has the Hayes' Patent Extension Ladder Truck and Fire Escape, consisting of an extension ladder that can be elevated to a height of 85 feet; and seven other ladders. It carries two 15 gallon fire extinguishers, with 150 feet of hose, and pipes, and all other tools and equipments for service; three horses and one double set of swinging harness.

No. 3 Hook and Ladder Company has a Bank Ladder Truck which carries nine ladders, the longest being 46 feet; two five-gallon fire extinguishers with 25 feet of hose, and pipes, and other tools and equipments for service; one fuel wagon; three horses and one double set of swinging harness'

No. 4 Hook and Ladder Company has the Hayes' Patent Extension Ladder Truck and Fire Escape, consisting of an extension ladder that can be elevated to the height of 75 feet; and seven other ladders. It carries two 8 gallon fire extinguishers with 25 feet of hose, and pipes, and all other tools and equipments for service; three horses and one double set of swinging harness; Concord wagon, with horse and harness, for the use of the assistant engineer of the Western district. Dayton wagon, with horse and harness, that is used for delivering supplies; large covered wagon and carriage, with two horses and harness, used by the telegraph department, and a wrecking truck that is used to load apparatus on when it breaks down on the streets.

APPARATUS IN RESERVE.

There are five Steam Fire Engines and two Hook and Ladder Trucks in reserve, ready to take the place of

any apparatus that may be disabled, or to be used when large fires occur.

Steamer Baltimore was built by Poole & Hunt, in 1859, and was rebuilt by Ives & Bro. in 1879. Capacity, 300 gallons ; weight, 7,600 pounds.

Steamer Victory was built by Ives & Bro. in 1864, rebuilt by the same parties in 1879. Capacity, 340 gallons ; weight, 8,600 pounds.

Steamer Hope was built by Poole & Hunt in 1864. Capacity, 220 gallons ; weight 7,000 pounds.

Steamer John Cushing was built by Poole & Hunt in 1859, rebuilt by Dalla Violon & Co. in 1878. Capacity, 300 gallons ; weight 7,500 pounds.

Steamer Amoskeag was built by the Manchester Locomotive Company in 1864, and rebuilt by E. J. Coôd & Co., in 1883. Capacity, 600 gallons ; weight, 8,800 pounds.

One Hayes' Patent Extension Ladder Truck and Fire Escape, with extension ladders, that can be elevated to the height of 85 feet ; and all other ladders, tools and equipments carried on trucks of this style.

One Bank Ladder Truck, fully equipped, similar to the one in service at No. 3 Hook and Ladder Company.

TABLE

Showing the difference between the Engines formerly in Service and the Improved Engines that have replaced them :

Old Engines.		Gallons Capacity	Weight.	Improved Engines.		Gallons Capacity	Weight.
No. 1	Engine.	400	9,200	No. 1	Engine.	900	9,200
" 2	"	300	7,860	" 2	"	600	8,000
" 3	"	400	9,200	" 3	"	1,200	9,400
" 4	"	400	9,200	" 4	"	900	9,200
" 5	"	300	9,000	" 5	"	500	6,500
" 6	"	240	7,680	" 6	"	500	7,500
" 7	"	300	8,600	" 7	"	500	6,900
" 12	"	240	8,900	" 12	"	500	6,825
		2,580	69,640			5,420	63,525

It will be seen by the above table that the aggregate weight of the eight old engines was 69,640 pounds, with a total capacity of 2,580 gallons of water per minute, and that the combined weight of the eight improved engines that replaced them is 63,525 pounds, with a total capacity of 5,420 gallons of water per minute, the increase being more than double in capacity of the engines to force water, and 6,117 pounds less in weight.

REPAIRS TO APPARATUS.

January 3d, No. 5 Engine Company, new shaft and connecting rods on engine.

January 7th, No. 7 Engine Company, a new metal hub to wheel, bottom to vacuum chamber, and heater pipe connections on engine.

- January 21st, No. 1 Engine Company, new front axle of engine repaired.
- January 22d, No. 8 Engine Company, new front axle, six plates in springs, a new set of clips, new hound and cross-bar on engine.
- January 31st, No. 2 Engine Company, hind axle repaired, and five plates in springs of engine.
- January 31st, No. 2 Engine Company, new hind wheels, axles reset and other repairs on hose carriage.
- February 1st, No. 9 Engine Company, new felloes and tires were put on hind wheels of first hose carriage.
- February 10th, No. 1 Engine Company, new felloes and tires were put on hind wheels of first hose carriage.
- February 12th, No. 4 Engine Company, new yoke, piston-rods, stuffing box and cylinder head put on engine.
- February 13th, spare engine Baltimore, new crank-shaft and connecting-rods.
- February 13th, No. 11 Engine Company, new tires were put on the wheels of the engine.
- February 20th, Chief Engineer's wagon, a new set of wheels, new clips on springs, body bolt, and wagon painted.
- February 20th, Assistant Engineer's wagon, new tires on wheels, and perches under the body.

February 20th, No. 10 Engine Company, tires on wheels cut, new felloes and new spokes on first hose carriage.

February 13th, No. 1 Hook and Ladder Company, new pole made of white hickory, and iron blocks put under front springs to raise the turntable on Hayes truck.

March 9th, No. 11 Engine Company, new tires and nine new spokes put on wheels of first hose carriage.

March 10th, No. 2 Engine Company, tires cut and new felloes put on wheels of second hose carriage.

March 12th, No. 8 Engine Company, new hind wheels and new tires on front wheels of second hose carriage.

March 16th, Chief Engineer's wagon, a new hind axle was put on.

March 20th, No. 1 Engine Company, new tires were put on hind wheels, and the tires on front wheels of the second hose carriage cut.

April 10th, No. 1 Engine Company, new hind wheels and new tires on front wheels of engine.

April 12th, No. 8 Engine Company, new tires on wheels and new felloes on front wheels of engine.

April 12th, No. 3 Hook and Ladder Company, new tires on the wheels, and all the iron works on the truck overhauled and repaired.

April 20th, No. 5 Engine Company, new arm on hind axle, and a new pole made of white hickory for the engine.

June 22d, Assistant Engineer's wagon, a new set of wheels and new axles.

June 28th, Prunty relief valves on Nos. 1 and 3 Engines were repaired. The rings and seats required renewing.

July 12th, No. 12 Engine Company, a new steam heater was made.

July 15th, spare engine John Cushing, a new crank-shaft and pump rods put in.

July 26th, No. 7 Engine Company, new braces to support the springs were put on the sides of the boiler of engine.

August 29th, No. 4 Hook and Ladder Company, a new hind wheel was made for the Hayes truck, and the hind axle and braces reset.

August 29th, new hind axle put on Assistant Engineer's wagon.

September 15th, No. 4 Engine Company, a new hind axle was put under the engine.

September 16th, No. 8 Engine Company, new piston rods, smoke stack and grate to fire box of engine.

September 18th, No. 11 Engine Company, a variable exhaust, of the Clapp & Jones patent, was put on the boiler of the engine.

October 30th, Nos. 6 and 9 Engine Companies, the second hose carriages were re-built and painted.

NEW APPARATUS REQUIRED.

I would respectfully recommend that a steam fire engine of a capacity of 500 gallons, and to weigh not more than 6,000 pounds, be purchased and placed in service at No. 10 Engine Company, and that two of the engines now used as reserves, the John Cushing and Amoskeag, which are old and heavy, be disposed of. The engine now in service at No. 10 Engine Company can be used as a reserve engine; and that ten fire extinguishers be purchased to take the place of some that we are now using, as they are old, nearly worn out, and require frequent repairing. Some of them have been in service ten years.

HOSE.

There was purchased during the past year 5,800 feet of gum hose; and 4,600 feet of the double-jacket fabric hose was rejacketed by having a new outside covering put on, and 1,600 feet of it was relined, having a new gum lining put inside. 120 sets of Gilmour's patent hose couplings were purchased and used on the hose. There is now in service 23,180 feet of good reliable hose, of which 15,030 feet is double-jacket fabric hose, and 8,150 feet is four-ply gum hose with five-ply capped ends, and 8,000 feet of gum hose of medium quality; this hose has been tested at 170 pounds pressure—and 4,750 feet of hose, 2,950 feet of gum, and

1,800 feet of the fabric was condemned and taken out of service. 6,000 feet of new hose will be required during the coming year.

NEW APPARATUS.

During the past year the following new apparatus has been placed in service:

A four-wheel hose carriage was placed in service at No. 6 Engine Company. It was made by Wm. Mulmyer.

Two steam fire engines, made by Clapp & Jones at Hudson, New York, were placed in service at Nos. 5 and 12 Engine Companies. They are double engines and have all the latest improvements; they have been tested, throwing one, two and three streams. The old No. 12 Engine and the reserve Engine Fairmount were given in exchange as part payment for them. This makes eight improved engines, with quick-steaming boilers, that we now have in service. One Concord wagon, made by George Colflesh, for the use of the Chief Engineer.

One Dayton wagon, made by George Colflesh for the use of the telegraph department, and one large covered wagon made by Wm. Mulmyer, for the telegraph department.

One five-gallon fire extinguisher, made of copper, by Chas. T. Holloway, placed in service at No. 10 Engine Company.

Five of Prunty's shut-off pipes and nozzles.

FIRE ALARM SIGNAL BOXES.

There are at the present time one hundred and ninety fire alarm signal boxes, sixteen having been put up during the past year at the following places :

Number 146, Stiles and Albemarle streets.

Number 147, Aliceanna street and Central avenue.

Number 182, Boston and Concord streets.

Number 183, Hudson and Chesapeake streets.

Number 184, Boston street and Harris creek.

Number 247, Gay and Aisquith streets.

Number 248, Holliday and Bath streets.

Number 348, Howard and Madison streets.

Number 419, Eutaw and Saratoga streets.

Number 472, Fulton and Patterson avenues.

Number 524, Charles and Barre streets.

Number 545, Cross street, between Wyeth and Scott streets.

Number 562, Charles street and Fort avenue.

Number 623, Charles and Henrietta streets.

Number 81, Fort avenue and Hull street.

Number 19, Bayview Asylum, Baltimore county.

Fire alarm boxes are needed at the following locations, as the nearest boxes are so far distant that when a fire occurs, a great deal of damage is done before the alarm can be given, and the delay may cause a loss of life :

Camden and Sharp streets.

Hanover and Pratt streets.

Front and Buren streets.

Calvert and Eager streets.

Druid Hill avenue and Presstman street.

Bolton and Laurens streets.

Park avenue and Preston street.

John and Lanvale streets.

St. Paul and Centre streets.

Columbia avenue and Bayard street.

North and Oliver streets.

Calvert and Lanvale streets.

HORSES.

The department has in service seventy-five horses. During the past year, twenty-four horses were purchased, and twenty-two that were worn out and unfit for the service were given in exchange. With a few exceptions, all the old and defective horses have been weeded out of the department, and their places filled with young, active, heavy draft horses that are capable of doing the work. The stock at the present time will compare favorably with that of any department in the country.

The horses are used as follows :

Thirteen Engine Companies, four horses to each.....	52
Four Hook and Ladder Companies, three horses each.	12
Officers of Fire Department	7
Telegraph Department.....	3
Supply Department.....	1
	—
	75

HARNESS.

All the companies are provided with swinging harness, which is in good condition, having been placed in service in October, 1884. As a precautionary measure to guard against accidents occurring, breeching has been added to the harness of the companies that have steep grades to descend. Five single sets of harness were purchased during the past year; three sets for the use of the telegraph department, and two sets for the officers of the fire department.

CHEMICAL FIRE EXTINGUISHERS.

Some of the fire extinguishers have been in service ten years, and require frequent repairing. During the past year they have been used at fires eleven hundred and eighty-two times, as follows: the five gallon extinguishers, seven hundred and forty-six times; the eight gallon extinguishers, sixty-eight times, and the fifteen gallon extinguishers, three hundred and eighty-eight times, and have discharged eight thousand one hundred and fifty-four gallons of solution, sulphuric acid and bicarbonate soda, generating carbonic gas. A large

number of fires were extinguished in their incipency by using them.

FIRES.

During the past year there were 474 fires, this being 86 in excess of the preceding year, of which 282 were box alarms, and 192 were telephone alarms and silent fires. Six fires caused damage outside of the buildings where they originated, and at four of these the houses were communicating. The total damage was \$441,743.06, which is \$176,128.73 less than in 1884. Forty-six per cent. of the loss was caused by three fires. February 8th, Cassard & Sons meat-curing establishment, No. 405 to 411 West Baltimore street—loss, \$65,470.23; April 3d, Wiesenfeld & Co., clothing warehouse, No. 242 West Baltimore street—loss, \$89,323.06; September 30th, mansard roofs on three five-story warehouses, No. 15 to 19 Lightstreet—loss, \$47,652.64. Fifteen fires required additional force to be called to control them, for which seven second and eight general alarms were sent out, as follows:

January 13th—Box 31—Time of first alarm, 5:25 A. M.; second alarm, 5:28 P. M.; recall, 7:54 P. M. Was caused by the burning of a three-story brick building, Nos. 75 and 77 North Calvert street, occupied by John Ward & Brother as a livery and hiring stable. The fire was confined to the upper stories, where a large quantity of hay and straw was stored. Seven engines and three trucks were in service. Damage, \$3,115.82; insurance, \$7,500.

January 14th—Box 541—Time of first alarm, 11:03 P. M.; second alarm, 11:16 P. M.; recall, 5:58 A. M. January 15. Was caused by the burning of a large two-story frame building on Howard street near Hamburg, and running back to Plum alley; occupied by Anton Textor and Fred L. Gruetter as a barrel factory and as a storage house. The fire was confined to the front part of the building. Five engines and two trucks were in service. Damage, \$5,390; insurance, \$8,500.

February 8th—Box 42—Time of first alarm, 6.03 A. M.; second, 6.08 A. M.; third, 6.20 A. M.; recall, 5.15 P. M. Was caused by the burning of a four-story brick building, Nos. 405, 407, 409 and 411 West Baltimore street, extending back to German street; occupied by G. Cassard & Son, curers and packers of meats and lard. There was a large quantity of stock stored in the cellar and sub-cellar. The fire was confined to the upper stories and back part of the building. Eleven engines and three trucks were in service. Damage, \$65,470.23; insurance, \$102,000.50.

April 3d—Box 412—Time of first alarm, 7.58 P. M.; general alarm, 8.05 P. M. Was caused by the burning of a six-story, iron-front building, with mansard roof, No. 242 West Baltimore street, occupied by Wiesenfeld & Co., wholesale dealers and manufacturers of clothing. The fire was confined to the two upper stories. Eleven engines and three trucks were in service. Damage, \$89,323.06; insurance, \$242,000.

April 5th—Box 136—Time of first alarm, 1:46 P. M.; second alarm, 1:52 P. M.; recall, 8:05 P. M. Was caused by fire among 1,500 barrels of rosin, owned by James

Corner & Sons, which, with 900 bales of cotton and other inflammable merchandise, was stored on the wharf near the foot of Union Dock. Across the twenty-foot street in front of the fire, in a two-story brick and frame building, the doors of which were burned through, was also stored 800 barrels of spirits of turpentine and 2,000 barrels of rosin. In the adjoining building were 3,000 bales of cotton, and on the other side of the dock there is a continuous line of lumber yards, planing mills and packing houses. Seven hundred barrels of rosin and some of the frame sheds were burned, owing to the very inflammable nature of the surroundings. This was the most dangerous fire that occurred during the year. Seven engines and three trucks of the department were in service. Two streams from the steam tug-boat Conway, belonging to the Baltimore and Ohio Railroad Company, and three streams from the steam pump of the Bay Line Steamboat Company, rendered valuable assistance in preventing the fire from spreading to the adjoining property. Damage, \$1,800.

May 28th—Box 417—Time of first alarm, 2:09 A. M.; second alarm, 2:15 A. M.; recall, 4:40 A. M. Was caused by the burning of a three-story brick building, Nos. 12 and 14 Portland street, occupied by H. Roesser & Sons as a furniture factory. The fire was confined to the rear part of the first story. Six engines and two trucks were in service. Damage, \$2,803; insurance, \$9,000.

June 5th—Box 13—Time of first alarm, 2:52 A. M.; general alarm, 2:58 A. M.; recall, 7:45 A. M. Was caused by the burning of a four-story brick building on the cor-

ner of East Falls avenue and Granby street, occupied by Samuel Taylor, machine shop, and J. S. Gosnell & Co., manufacturers of fine furniture and moulding. The fire was confined to rear part of the upper stories. Eleven engines and three trucks were in service. Damage, \$6,722; insurance, \$8,500.

July 22d—Box 146—Time of first alarm 3:02 A. M.; second alarm, 3:07 A. M.; recall, 6:49 A. M. Was caused by the burning of the second story of a two-story brick building on the corner of Pratt and President streets, occupied by James Bates as an iron foundry and machine shop. The fire communicated through the side windows to the third story of the adjoining building, occupied by Lewis Elmer & Sons. Seven engines and three trucks were in service. Damage, \$7,871.26; insurance, \$29,500.

July 25th—Box 316—Time of first alarm, 7:56 A. M.; second alarm, 8:08 A. M.; recall, 11:12 A. M. Was caused by the burning of a three-story brick building, Nos. 36 and 38 Buren street, occupied by J. W. Babalon as a steam shoddy factory. The fire was confined to the rear part of the building. Five engines and two trucks were in service. Damage, \$4,244; insurance, \$8,000.

August 3d—Box 514—Time of first alarm, 10:31 A. M.; second alarm, 10:34 A. M.; recall, 1:21 P. M. Was caused by the burning of a three-story brick building, Nos. 31, 33 and 35 south Entaw street, occupied by Maurice Laupheimer, Bros. & Co., as chemical works. The fire was confined to the upper stories. Seven engines and three trucks were in service. Damage, \$16,463.77; insurance \$18,500.

September 3d—Box 431—Time of first alarm, 2:44 P. M.; general alarm, 2:49 P. M.; recall, 8:33 P. M. Was caused by the burning of a four-story brick building, 465, 467 and 469 west Pratt street. The building fronted 130 feet on Pratt, and had a depth of 180 feet back to Dover street; was communicating on the two upper floors, and was occupied by Messrs. Irving, Buck & Co., Duffy & Co., F. G. Tinsely & Bro., R. J. Sparklin & Co. and Bailey Brothers, manufacturers of builders' materials, furniture and mouldings. The fire was confined to the upper stories. Ten engines and three trucks were in service. Damage, \$14,801; insurance, \$59,000.

September 5th—Box 14—Time of first alarm, 1:52 A. M.; general alarm, 1:57 A. M.; recall, 9:53 A. M. Was caused by the burning of a four-story brick building on the corner of East Falls avenue and Granby street, occupied by Samuel Taylor as a machine shop, and J. C. Gosnell & Co., manufacturers of fine furniture and mouldings. This is the same building where a fire occurred on June 5th. When the alarm was given, the fire had gone through the building, and in a few minutes the south wall, which was bulged, fell out, causing the entire building to fall down. Eleven engines and three trucks were in service. Damage, \$17,212.70.

September 30th—Box 5—Time of first alarm, 8:01 P. M.; general alarm, 8:17 P. M.; recall, 1:10 A. M. Was caused by the burning of the five-story, iron-front buildings, with mansard roofs, Nos. 15, 17 and 19 Light street, occupied by Clark & Jones, dealers in candies and canned goods, Guggenheimer & Weil, printers, and

Clement, Weil & Ball, shoe factory. The fire was confined to the mansard roof. Eleven engines and three trucks were in service. Damage, \$47,653.64; insurance, \$109,000.

November 24th—Box 415—Time of first alarm, 2:44 A. M.; second alarm, 2:51 A. M.; recall, 6:41 A. M. Was caused by the burning of a five story brick building in the rear of No. 340 West Baltimore street, occupied by Cline & Brother, dealers in gentlemen's furnishing goods, on the first story, and Dubreuil & Lowe, manufacturers of shirts, and as a steam laundry, on the three upper floors. The fire was confined to the upper floors of the rear building. Six engines and three trucks were in service. Damage, \$9,914; insurance, \$34,000.

December 30th—Box 361—Time of first alarm, 5:07 P. M.; general alarm, 5:12 P. M.; recall, 11:48 P. M. Was caused by the burning of a four-story brick building, Nos. 51, 53, 55 and 57 North Green street, occupied by George R. Skilman as a bakery. The fire was confined to the upper stories. Eight engines and three trucks were in service. Damage, \$20,000; insurance, \$30,000.

CASUALTIES.

No. 1 Engine Company—January 20th.—Driver Lewis J. Fresh was thrown from the seat on the engine and had his head cut, when responding to fire, box 418; off duty, 8 days. February 8th, Fireman Jolin J. Robinson run a nail in his foot at fire, box 42; off duty, 2 days. May 19th, Fireman Michael Halloran fell from the hose carriage and cut his head when responding to fire, box 61; off duty, 7 days.

No. 3 Engine Company—September 8th.—Fireman E. Kirby had his back sprained at fire, box 147; off duty, 9 days.

No. 4 Engine Company—February 8th.—Substitute Martin Lawless, left hand cut at fire, box 42; off duty, 6 days. October 9th, Fireman James Allen, right hand mashed at fire, box 512; off duty, 15 days. November 25th, substitute Henry Beerman, left hand cut at fire, box 512; off duty, 19 days.

No. 5 Engine Company—February 8th.—Fireman Wm. H. Burns was bruised about the body when the roof of the building fell in at fire, box 42; off duty, 29 days. Fireman Edwin Bailey had his shoulder hurt at the same time; off duty, 18 days.

No. 6 Engine Company—April 3d.—Fireman Wm. Gordon fell off the hose carriage and injured his knee cap when responding to box 412; is still off duty.

No. 9 Engine Company—January 13th.—Assistant Engineman Wm. H. Stanton was thrown from the hose carriage and had his wrist sprained when responding to fire, box 243; off duty, 6 days. June 24th, Fireman John H. Cruse sprained his ankle at fire, box 161; off duty, 8 days.

Hook and Ladder Company No. 1—April 10th.—Driver John R. Battee was injured in the back and head, caused by the horses carrying the truck into the Centre Market when responding to fire, box 521; off duty, 81 days. September 30th, Captain Wm. M. Dunn had his left wrist cut by falling glass at fire, box 5; off duty, 8 days. November 1st, Ladderman Wm. E. Van

Russum sprained his ankle at fire, box 212; off duty, 10 days.

Hook and Ladder Company No. 2—January 14th.—Tillerman John W. Blake sprained his ankle at fire, box 541; off duty, 7 days. June 11th, Ladderman Wm. H. Quigley had his right hand badly cut at fire, box 41; off duty, 18 days. June 17th, Ladderman Charles Eichelberger run a nail in his foot at fire, box 521; off duty, 19 days.

Hook and Ladder Company No. 4—February 5th.—Assistant Tillerman John G. Gill was thrown from the lead horse and injured when responding to fire at box 31; off duty, 6 days. April 6th, Ladderman Andrew Bilson had his head cut at fire, box 136; off duty, 3 days. September 6th, Driver George Bowers had his face cut by a horse knocking him down in the stable; off duty, 8 days.

LOCALITIES WHERE ADDITIONAL COMPANIES SHOULD BE SITUATED.

The apparatus of the department is in first-class condition and capable of doing effective work, as has been shown at several fires that occurred during the past year in large buildings stored with combustible material; but the city has greatly outgrown its facilities for protection against fire, as has been repeatedly pointed out in these reports. There is an urgent need for two more hook and ladder companies, and at least one more engine company. One of the hook and ladder companies should be located in the north-eastern section of the city, in the vicinity of Harford

avenue and John street. There has been no company, engine or hook and ladder located in this part of the city since the department was organized, 27 years ago, and the nearest hook and ladder company is No. 4, which is located on Biddle street near Pennsylvania avenue. The other should be located in the southern section, somewhere in the vicinity of Charles and Montgomery streets. The nearest hook and ladder company is No. 2, located on Paca near Fayette street; and some of the fire alarm boxes that No. 2 and 4 Hook and Ladder Companies respond to, are more than two miles distant from where they are located, and when a fire occurs, the building is badly damaged before they can render any assistance; and as ladders on the trucks are often required to save the lives of persons who are in the upper stories of burning buildings, where all escape is cut off from the stairways, they may arrive too late to be of any service. The department consists of thirteen engine companies and four hook and ladder companies; and as the city covers over sixteen square miles of ground, each hook and ladder company has four square miles of houses to protect.

An engine company is required in the western section, somewhere in the vicinity of Mount and Hollins streets, to afford proper protection to that rapidly growing part of the city. The last engine company, No. 13, was organized in January, 1876, and since that time about eighteen thousand houses have been built, and a great number of them are large warehouses and manufacturing establishments. During the last ten years, the style of buildings has entirely changed, as

they are carried up to great heights and filled with valuable and often combustible goods, and no matter how large the building is that is burning, we cannot bring more than eleven engines and three trucks in service, as two engines and one truck must be kept in reserve, so as to be ready in case of another fire occurring, as has happened on several occasions; and if there were no companies held in readiness to respond, a conflagration might result.

HOUSES OF THE FIRE DEPARTMENT.

The houses of the department are generally in a good condition, and with the exception of the building that is occupied by No. 5 Engine and No. 3 Hook and Ladder Company, are fitted up and furnished with a view to the comfort of the men and horses, and the quick response to fires. Alterations were made at No. 8 Engine House, by tearing down the room in the back part of the engine room and removing the horse stalls thirteen feet further back, so as to make room for the reserve hose carriage, which has been kept in a shed in the yard of the engine house.

At No. 6 Engine House an addition has been made to the rear part of the building; it adds thirty-four feet to the length and forty-five feet to the width of the building; it contains five stalls for the horses, which face to the apparatus. There is a passage eleven feet six inches wide between the stalls, in the centre of the room, so as to make room for the engine and two hose carriages to stand in a line, with a space twelve feet wide behind the horses, and large sliding doors open-

ing on Gay and Ensor streets. The sleeping room has been enlarged, and inside shutters put to all the windows. There are four iron pipes with openings in the floor, for the men to slide down on from the sleeping room, and a loft made in the second story of the new building to store the horse feed in. The addition to the building and the alterations has made this one of the most convenient houses in the department.

REPAIRING DONE TO HOUSES OF THE DEPARTMENT.

No. 1 Engine House.—Plumbing work of water closet altered; well repaired; yard paved; new floor in stable; hose tower repaired.

No. 2 Engine House.—All the woodwork of the house, inside and out, was painted; tin roof repaired and painted, and new floor in the stable.

No. 3 Engine House.—New tin roof on the stable, and new floor in rear part of engine room and stable.

No. 4 Engine House.—Sleeping room and passage papered; drain-pipe laid to connect to the sewer on North street, and new floors in horse stalls.

No. 5 Engine House.—Well in the yard repaired; new floor in the stable, and an Asphalt-block pavement laid in front of the house.

No. 7 Engine House.—Sitting and bath rooms were papered; plumbing work altered; new floor in stable, and all the wood work painted.

No. 9 Engine House.—New floor in stable; and a frame building, one story high, with a tin roof on, was

put up in the yard, it contains two box stalls for horses and a room for the blacksmith shop.

No. 10 Engine House.—New floors in horse stalls, and plumbing work repaired.

No. 11 Engine House.—New floor in stable, and asphalt block pavement put down in front of the engine house.

No. 12 Engine House.—Asphalt block pavement laid in front of the house; a self-acting pump put in the cellar to keep the water down; cellar paved; new floor in stable; all the wood work painted, and inside shutters put up to the windows in the second story.

No. 13 Engine House.—New floor in the stable, and a drain-pipe laid on Fremont street.

No. 1 Hook and Ladder House.—New floor in truck room, a patent water-closet put up, and plumbing work renewed.

No. 2 Hook and Ladder House.—New double floor and joist put in truck room, and plumbing work in water-closet altered and renewed.

No. 4 Hook and Ladder House.—A new front door, and all the wood work painted.

WORK REQUIRED TO BE DONE TO THE HOUSES.

The house on Ann street that is occupied by No. 5 Engine and No. 3 Hook and Ladder Company requires extensive alterations and repairs, so as to furnish the companies stationed there with the same facilities for getting out of the house that all the other companies

in the department have. As it is now fitted up, the horses stand sideways to the apparatus, and have to turn when they come out of their stalls to run out; and as the stable is in the rear of the house, the horses of the engine and truck have ninety feet to run to get to their places at the poles of the apparatus, and two of the horses have to make a circle to get to the side of the pole where they work. The following will have to be made: Extend the stable back twenty feet; raise the floor of the building now used as the stable level with the floor of the sleeping room; raise the roof of the room over the stable as high as the ceiling of the main building, second story; make the room for the horse feed over the new part of the building; alter the stairway; put up six sliding poles, two alongside of each piece of apparatus, with six stalls for the horses alongside of the apparatus, and two stalls in the rear for reserve horses. These improvements will make it a convenient house for the two companies. Nos. 1, 6 and 8 Engine Houses require new floors in the engine rooms. At Nos. 11 and 12 Engine Houses the sleeping rooms need papering. Nos. 3, 7, 9, 10, 11 and 13 Engine Houses, and No. 1 Hook and Ladder House, require inside shutters to the rooms on the second stories; an additional sliding pole at No. 8 Engine House, and two sliding poles in the front part of No. 2 Hook and Ladder Company's House; new front doors at No. 10 Engine House. Nos. 4, 7, 8, 9, 10 and 13 Engine Houses, and No. 1 Hook and Ladder Company's House, need painting. The floors in all the horse stalls will require renewing.

THE WORK OF THE DEPARTMENT OBSTRUCTED BY WIRES.

The operations of the department has been frequently interfered with, and retarded, when fires occurred in buildings in the centre of the city, where the ladders had to be used, by the net work of wires which are strung overhead, including electric light, telegraph and telephone wires. In many places the wires are put together and form cables; in some streets it is impossible to erect the ladders, and place them against buildings, without cutting the wires. During the past year several accidents have occurred to employees of the electric light companies (one of which proved fatal) by parties coming in contact with the wires when the current was on, and as the wires have been up for several years, the insulation may have worn off. There is great danger to be apprehended by the members of the department coming in contact with electric light wires, when the ladders are put up where they are strung, or when working on the roofs of houses where they are as it has happened on several occasions, that the iron work on the trucks has become so charged with electricity from the electric light wires when the ladders were against them, that the men had to use woolen coats to cover the iron work when handling the truck. I beg leave to call your attention to one case referred to by the Baltimore Underwriter in regard to fire which occurred on—

“The fire at Acme Hall on Baltimore street, last Friday, again called attention to the necessity of providing some proper underground receptacle for telegraph wires. The firemen were delayed some time in getting

to work by the numerous strings that fenced in the front of the burning building; and had there been any human occupants of the place in the upper stories, they would undoubtedly have been suffocated or burned to death, because of this hindrance to the would-be rescuers. Suppose, for instance, there had been a large shirt factory, laundry or bindery, in which a number of girls and women were employed in the upper stories of that building—as is the case in many similar structures on Baltimore and other streets—is there a doubt but that there would have been an awful sacrifice of life and a fearful responsibility for it morally at some one's door?

“When the fire was first discovered, the engine and ladder companies promptly responded, and could they have gotten to work at once much damage might have been prevented. But because of the obstruction presented by the telegraph wires, the upper windows could not be reached for such a length of time that the whole place was dense with smoke and glowing with flames before effective service was rendered. Any human beings, especially timid and panicky women, in the building would have surely perished, and the wires would have been the cause.”

The wires overhead have been the cause of a great many lives being lost in other cities, by delaying the work of the fire department.

HOISTWAYS TO BE ENCLOSED.

In the reports for several years, I have called attention to the defects in the ordinance which was passed

by the City Council in regard to erecting guards around hoistways to protect the lives of firemen and policemen, as they are frequently required to go into buildings in the smoke and darkness; but it affords no protection, as, by the way it is worded, it cannot be enforced. Several complaints have been made against parties for violating the existing ordinance, but, as their places had never been visited and inspected by the inspector of buildings, and a notice served on them to have the hoistways enclosed, the cases were dismissed by the magistrates. The present ordinance requires the inspector of buildings to visit all buildings where there are hoistways, and to notify the owner or lessee of the building to enclose them properly. They are frequently found open without guards of any kind around them, and in many buildings there are dangerous openings in the floors that are not hoistways, and do not come under the provisions of the existing ordinance. I would recommend that the City Council be requested to alter the wording of the ordinance, so that it will include all openings in floors, and compelling railings to be put around stairways, and that the Police Commissioners be requested to have all buildings used as manufacturing establishments examined, and where it is found necessary, for the notices to be served by the police. Several narrow escapes from death or serious injury have been made by members of the department on account of there being no guards around the hoistways, and several years ago a police officer was instantly killed by falling down an open hoistway in a warehouse on Camden near Sharp street.

FURNITURE.

New three-ply carpets and rugs were furnished for the sleeping rooms at Nos. 3, 6, 7 and 8 Engine Houses, and new mattresses at Nos. 1 and 10 Engine Houses, and Nos. 2 and 4 Hook and Ladder Companies' Houses.

EXTRA SERVICE RENDERED BY THE DEPARTMENT.

On Sunday morning, June 28th, there was a rain fall of four and a-half inches during a storm of eight hours duration, which flooded the basements and cellars of the houses along the line of Jones Falls and Chatsworth run. The five reserve engines and the regular engines of Nos. 8 and 10 companies, were detailed to pump out the water and worked one hundred and forty hours.

PARADE OF THE DEPARTMENT.

On Thursday, May 7th, the entire department paraded; starting from the corner of Eutaw and Madison streets at three o'clock, p. m., taking part in the general parade on the occasion of the Army of the Potomac fete. Two reserve companies were organized and stationed at Nos. 1 and 3 Engine Houses, while the companies were away from their stations.

FIRE PLUGS AND WATER.

The faithful and careful attention of Mr. Robert Martin, engineer of the water department, has been

given to this important branch of the service and the department fully appreciate what has been done towards giving them an ample supply of water for fire protection; but there is still a demand for water mains and fire plugs in the recently built up sections of the city, notably, along Boston street and in the northwestern sections. During the past year, twenty-eight fire plugs were put up, making the number now in service, nine hundred and seventy-two. The number of fire plugs should keep pace with the rapid growth of our city, and the nearer they are located to each other, makes a saving in the wear and tear of the hose, which is a matter of economy; as to place a fire plug on a main costs about fifty dollars and requires but few repairs; one hundred feet of hose costs ninety dollars and is not reliable more than three years. So it can be readily seen that it would be of great advantage if fire plugs were placed on the corner of every square, as the more plugs there are the less hose will be required. We have not one-half as many fire plugs as other cities of the same area and population.

Reservoirs and fire plugs, with a pumping and forcing engine of a capacity to throw four streams of water over the main building, has been put up at Bayview Asylum, and in case of a fire occurring, they will be able to hold it in check until the arrival of the city department, if the means furnished them are properly handled. A fire alarm box has been placed at the institution, so that an alarm can be sent to the central office.

CONCLUSION.

I desire to return my sincere thanks to your honorable body for the prompt responses which you have always given to my recommendations in regard to furnishing equipment for the department.

Respectfully submitted,

JOHN M. HENNICK,

Chief Engineer.

TABLES.

TABLE A.

Showing Number of Box Alarms by Districts for the year 1885.

Month.	East of Charles St	West of Charles St.	Total.
January.....	17.....	21.....	38
February.....	14.....	23.....	37
March.....	18.....	13.....	31
April.....	9.....	14.....	23
May.....	9.....	6.....	15
June.....	8.....	9.....	17
July.....	12.....	15.....	27
August.. ..	5.....	5.....	10
September ..	11.....	9.....	20
October.....	5.....	7.....	12
November. .	8.....	13.....	21
December. .	10.....	21.....	31
	<hr/> 126	<hr/> 156	<hr/> 282

There were 126 alarms from boxes in the Eastern District, which comprises all that part of the city east of the centre of Charles street, from the north boundary to the centre of Lee street, and 156 alarms from boxes in the Western District, which comprises all that part of the city west of the centre of Charles street, from the north boundary to the centre of Lee street, down Lee street to the water front, and along the water line to the western boundary.

TABLE B.

Showing the number of times Companies have responded to fires, and transferred to the Houses of other Companies; number of feet Hose laid at fires, and number of Ladders used at fires.

COMPANIES.		No. of times responded at Fires.	Number of times transferred on Alarms.	No. of feet Hose laid at Fires.	No. of Ladders used at Fires.
No. 1	Engine Company...	91	22,850	,
" 2	Engine Company..	110	.....	28,500
" 3	Engine Company...	98	.....	32,750
" 4	Engine Company...	106	.....	26,700
" 5	Engine Company ..	67	43	27,500	
" 6	Engine Company...	76	1	19,200	
" 7	Engine Company...	96	27	21,700	
" 8	Engine Company .	87	30	17,500	
" 9	Engine Company...	68	41	15,500	
" 10	Engine Company..	83	28	13,800	
" 11	Engine Company...	54	47	19,050	
" 12	Engine Company ..	40	43	10,550	
" 13	Engine Company .	71	13	10,500
No. 1	Hook & Ladder Co..	96	237
" 2	Hook & Ladder Co..	114	245
" 3	Hook & Ladder Co..	66	87	148
" 4	Hook & Ladder Co..	81	96	103
				266,100	733

TABLE C.

Showing number of Alarms Monthly for the year 1884.

Month.	Box.	Telephone and Silent.	Total
January	38.....	16.....	54
February	37.....	20.....	57
March	31.....	26.....	58
April	23.....	15.....	38
May	15.....	12.....	27
June.....	17.....	12.....	29
July	27.....	10.....	37
August.....	10.....	8.....	18
September.	20.....	14.....	34
October	12.....	12.....	24
November....	21.....	19.....	40
December	31.....	27.....	58
	<hr/> 282	<hr/> 192	<hr/> 474

TABLE D.

Showing Working Time of the Engines and Service of the Hook and Ladder Trucks at Fires.

				Hours.	Minutes.
No. 1	Engine Co. in Service	.....	....	43.....	20
" 2	"	"	.....	70.....	30
" 3	"	"	.....	54.....	15
" 4	"	"	.....	53	05
" 5	"	"	.....	50.....	10
" 6	"	"	.....	26	
" 7	"	"	.....	27.....	
" 8	"	"	.....	42.....	
" 9	"	"	.....	20.....	25
" 10	"	"	.....	46.....	30
" 11	"	"	.....	40.....	20
" 12	"	"	.....	18.....	30
" 13	"	"	.....	23.....	
" 1	Hook and Ladder Co. in Service			178.....	
" 2	"	"	"	221.....	10
" 3	"	"	"	263	22
" 4	"	"	"	137.....	45

In sections of the city where the fire-plugs show a water-pressure of from 40 to 70 pounds, a great many fires are extinguished by putting the hose on the 2½ inch side openings of the plugs; for this purpose, the hose carriages are run ahead of the engines, and by doing this, it decreases the working time of the engines.

TABLE E.

Losses Monthly, year ending December 31, 1885.

Month.	
January.....	\$33,296 37
February.....	74,099 02
March.. ..	8,524 17
April.....	101,674 10
May.....	10,109 09
June.....	11,798 20
July.....	24,136 50
August.....	20,053 20
September.. ..	98,421 28
October.....	4,322 06
November.....	16,362 17
December.....	38,946 90
	<hr/>
	\$441,743 06

TABLE F.

Number of Fires on each day of the week, for the year 1885.

Sunday	58
Monday.....	46
Tuesday.....	77
Wednesday.....	64
Thursday	54
Friday.....	60
Saturday.....	72

FIRE RECORD.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1885.

DATE.	Box.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES. IN SERVICE.	H & L 2 & 1	STYLE OF BUILDINGS.	REMARKS.
January. Friday	2 313	.....	5.38	137 N. Charles street.	Mrs. John Morris	Dwelling.	.....	.....	Four-story brick.	Loss none; recall 5.55 p. m.; foul chimney; extinguishers 4 Hook and Ladder Co.
Saturday	3 24	1.05	....	237 N. Gay street.	Ferdinand Lazarus.	Notion Store.	4, 6	1	Three-story brick	Loss \$15 992.70; recall 4.15 a. m.; defective flue.
Friday	9 16	9.04	....	256 E. Pratt street.	Louis Becker.	Drug Store & dwelling.	.....	.....	Three-story brick	Loss \$20.00; recall 9.24 a. m.; gas pipe leaking; extinguishers 3 Hook and Ladder Co.
"	9 31	.....	6.29	Holliday street, near Hillen.	Forbes & Taylor.	Printing establishment.	4, 6	1	Three-story brick	Loss \$1720.60; recall 7.59 p. m.; overheated stove.
Saturday.	10 3	.....	2.12	60 W. Fayette street.	Butts & Robins'n	Printing establishment.	.....	.....	Three-story brick	Loss \$70.00; recall 2.52 p. m.; overheated stove; extinguishers 4 Engine and 1 Hook and Ladder Cos.
"	10 451	.....	7.48	Carrollton ave., near Mosher street.	Mrs. M. J. McLaughlin.	Dwelling.	.....	.....	Three-story brick	Loss \$10.00; recall 8.02 p. m.; gas jet setting fire to curtain; extinguishers 8 Engine Co.

Monday 12 452	1.47	101 N. Gilmor street.	M. Thursby.	Dwelling.	.....	.....	Three-story brick	Loss \$20.00; recall 2.02 p. m.; cause unknown; extinguishers 8 and 13 Engine Cos.
Monday 12 421	.....	8.10 17 Waesche street.	Anna Davis, col.	Dwelling.	.....	.....	Three-story brick	Loss \$25.00; recall 8.28 p. m.; child dropping a piece of lighted paper in a crib; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Tuesd'y 13 243	2.34	.... 129 Hillen street.	Wm. J. Lynch.	Dwelling.	.....	.....	Three-story brick	Loss \$180.00; recall 2.59 a. m.; coal oil lamp explosion; extinguishers 4 and 6 Engine and 1 Hook and Ladder Cos.
Tuesd'y 13 31	.....	5.25 73 and 75 N. Calvert street.	John Ward & Bros.	Stables.	1, 3, 4, 6, 7, 8, 1, 2, 4 12	.....	Three-story brick	Loss \$3115.80; second alarm 5.27½ p. m.; recall 7.51 p. m.; cause unknown.
Tuesd'y 13 313	.....	5.53 22 Cathedral street.	Mrs. Simms.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 6.05 p. m.; foul chimney; extinguishers 10 Engine Co.
Tuesd'y 13 426	.....	7.45 54 S. Carrollton ave.	W. Cadagan.	Dwelling.	.....	.....	Three-story brick	Loss \$25; recall 8.15 p. m.; coal oil lamp explosion; extinguishers 10 Engine and 2 Hook and Ladder Cos.
Wedn'y 14 541	.....	11.02 S. Howard street, n'r J. C. Textor & Bro. Hamburg.	J. C. Textor & F. L. Gruetter.	Cooper Shop.	1, 2, 4, 7, 10, 2, 4 12	.....	Two-story frame.	Loss \$590; second alarm 11.16 p. m.; recall 5.58 a. m. Jan.

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Thursd. 15 563		8.45	Foot of Sharp street.	Conrad Lotz.	Clay Pipe Factory.	.....	.....	Two-story brick.	15th; supposed incendiary. Loss \$10; recall 9.06 p. m.; beat from furnace; extinguishers 2 Engine Co.
" 15 612		11.22	248 Light street.	Sam'l May.	Notion Store & dwelling.	2	2	Three-story brick	Loss \$900; recall 12.06 a. m.; Jan. 16th; cause unknown.
Sunday 18 364		1 48	227 W. Biddle street.	M. O'Neill.	Dwelling.	.....	.....	Three-story brick	Loss \$20; recall 1.57 p. m.; overheated stove; extinguishers 4 Hook & Ladder Co.
" 18 352		7.20	151 Bolton street.	C. McMakin.	Stable.	.....	.....	Two-story brick	Loss none; recall 7.37 p. m.; supposed parties smoking in the stable; extinguishers 4 Hook & Ladder Co.
Monday 19 532	8.44	.....		62 Burgundy alley.	John Adams.	Dwelling.	.....	.....	Two-story brick	Loss \$40; recall 9.14 a. m.; cause unknown; extinguishers 2 and 10 Engine Cos.
" 19 418		2.34	155 Lexington street.	E. C. King.	Notion Store.	.....	.....	Four-story brick.	Loss \$200; recall 2 57 p. m.; sparks from

Tuesday 20 418	11.13 66 N. Eutaw street.	P. Salmon.	Notion Store.	.....	Three-story brick	Loss \$170; recall 11.27 p. m.; overheated stove; exting'rs 2 Hook and Ladder Cos.	furnace; exting'rs 1 and 7 Engine and 2 Hook and Ladder Cos.
Wednesday 21 453	2.41 75 W. Lanvale street.	F. Lyden.	Dwelling.	.....	Three-story brick	Loss \$115.70; recall 3.08 p. m.; overheated stove; exting'rs 8 and 13 Engine & 4 Hook and Ladder Cos.	
" 21 14	7.46 21 Albemarle street.	Max Kaufman & five families.	Tenement H'se 3	1	Three-story brick	Loss \$1500; recall 8.34 p. m.; overheated stove.	
" 21 532	8.40 205 Lee street.	Jas. Woodall.	Dwelling.	.....	Three-story brick	Loss \$50; recall 8 51 p. m.; foul chimney; extinguishers 2 Engine Co.	
Thursday 22 162	11.40	Henderson wharf, ft. of Wolfe street.	British Steamship Kirtle.	3	.....	Loss \$400; recall 1.07 p. m.; overheated stovepipe.	
Friday 23 153	4 29	195 and 197 Eastern avenue.	Junk Store and dwelling.	3, 5, 11	One-story frame	Loss \$250; recall 5.36 a. m.; overheated stove.	
Sunday 25 15 12.34	123 S. Broadway.	A. M. Levy.	Hat Store.	3, 5, 11	Three story brick	Loss \$1400; recall 1.50 a. m.; overheated stove.	
Monday 26 18	12 08 S. W. Cor. Hudson & Streep streets.	Eugene Fisher.	Dye Works.	5, 9, 11	Three-story brick	Loss \$280.23; recall 1.20 p. m.; overheated stove.	

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Monday 26	171	.....	7.39 Foot of Chester st.	Baker, Whitely & Co.	Tug Boat Cal- vin Whitely.	11	3	.....	Loss \$300; recall 9.36 p. m.; heat from furnace.
Tuesd'y 27	319	9.30	48 Mt. Vernon Place.	J. H. McHenry.	Dwelling.	.....	.....	Four-story brick.	Loss none; recall 9.47 a. m.; foul chimney.
"	27 521	11.20	86½ Hanover street.	Mrs. Arthur.	Dwelling.	.....	.....	Three-story brick	Loss \$280; recall 11.50 a. m.; defective flue; extinguishers 2 Engine Co.
"	27 236	.....	6.19 Cor. Castle and Fayette streets.	Henry Beck.	Brewery.	.....	.....	Three-story brick	Loss none; recall 6.29 p. m.; no fire; caused by steam coming out of the windows.
Thursd. 29	41	7.10	212 and 214 W. Baltimore street.	F. A. Gruber.	Jewelry Manu- factory.	.....	.....	Four-story brick.	Loss \$111.50; recall 8.16 a. m.; cause unknown; extinguishers 4 Engine and 1 and 2 Hook and Ladder Cos
"	29 24	.....	5.21 111 Hillen street.	Wm. Hunter.	Dwelling and Oyster Sal'n.	.....	.....	Three-story brick	Loss \$20; recall 5.33 p. m.; gasoline leaking from a barrel; extinguishers 6 Engine and 1 Hook and Ladder Cos.
"	29 142	.....	9.50 Cor. Central & East- ern avenues.	George Plitt.	Foundry.	.....	.....	Two-story brick.	Loss \$62; recall 10.15 p. m.; flasks catch-

Thursd. 29 423	9.54 503 W. Baltimore st.	D. Coblens	Dry Goods Store.	.....	.....	Three-story brick Loss \$147.92; recall 10.13 p. m.; over- heated stove; extin- guishers 2 Hook & Ladder Co.	ing fire; extinguish- ers 3 Engine and 3 Hook and Ladder Cos.
Friday 30 413 3.49	7 N. Eutaw street.	H. C. Becker.	Dwelling and restaurant.	.....	.....	Three-story brick Loss \$140.50; recall 4.49 a. m.; soot in chimney; exting's 1 and 4 Engines and 2 Hook and Ladder Cos.	
' 30 352 10.35	121 Bolton street.	Mrs. J. A. Rich- ardson.	Dwelling.	.....	.....	Three-story brick Loss none; recall 11 a. m.; foul chimney.	
Saturd. 31 621	11.29 Reeder's wharf, near Cross street.	Patrick Daugh- erty.	Steam Tug Ortolo.	2	2	.....	Loss \$30; recall 2.15 a. m. February 1st; overheated furnace.
February. Monday 2 313 8.09	13 Franklin street.	L. McCoy.	Dwelling.	.....	.....	Three-story brick Loss none; recall 8.22 a. m.; foul chimney; extinguishers 7 En- gine Co.	
" 2 8 10.20	122 Hull street.	Joseph Laney.	Dwelling.	.....	.....	Three-story brick Loss \$12; recall 10.35 a. m.; overheated stove; extinguish- ers 12 Engine Co.	
Tuesday 3 534	9.39 34 Ridgely street.	Henry Hunt. Henry Lang.	Dwelling.	.....	.....	Three-story brick Loss \$85; recall 10.08 p. m.; children play- ing with matches; extinguishers 2 and 10 Engines and 2	

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Hour		LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
	A. M.	P. M.							
Friday	6 471	.....	9.04 417 N. Gilmor street.	Mrs. C. Adams.	Dwelling.	8	4	Three-story brick	Hook and Ladder Cos. Loss \$549.69; recall 10.28 p. m.; cause unknown
"	6 17	.....	11.13 Patterson Park.	City of Baltimore	Conservatory.	11	3	One-story frame and glass.	Loss \$500; recall 12. 03 a. m.; Feb. 7th; overheated furnace
Sunday	8 42	6.02 . . .	405 W. Baltimore st. 407, 409 and 411 W. Baltimore street.	Jos. Bergman. G. Cassard & Son	Sale Stables. Curers & Pack- ers of Meats.	1, 2, 3, 4, 5, 6, 1, 2, 4 7, 8, 10, 13	Three-story brick " "	Loss 65,470.23; second alarm 6.08 a. m.; third alarm 6.20 a. m.; recall 5.15 p. m.; meat in smoke- house taking fire.	
"	8 321	8.19	.....	89 N. Paca street.	A. J. Banks.	Dwelling.	.....	Three-story brick	Loss none; recall 8. 45 a. m.; foul chim- ney; extinguishers 13 Engine Co.
Monday	9 462	9 30	.....	5 S. Monroe street, f	Thos. Collen.	Dwelling.	.....	Three-story brick	Loss \$5; recall 9.56 a. m.; coal oil lamp explosion; extin- guishers 8 Engine Co.
"	9 452	.....	9.13 9 N. Stricker street.	Stephen Murphy	Dwelling.	.....	.....	Three-story brick	Loss \$210; recall 9.53 p. m.; lighted match fell between cracks of floor; exting's

Tuesd'y 10 381	.....	10.14	184 Vincent alley.	Peter James.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 10.34 p. m.; foul chimney.	13 Engine and 4 Hook and Ladder Cos.
" 10 362	.....	10.45	51 Myrtle avenue.	Geo. Henneman.	Dwelling.	.....	.....	Three-story brick	Loss \$25; recall 11.04 p. m.; overheated stove-pipe; extinguishers 7 and 13 Engine Cos.	
Wedn'y 11 24	3.34	.....	46 Low street.	Gladstone and Cohen.	Grocery and restaurant.	6	1	Two-story brick.	Loss \$742; recall 4.22 a. m.; cause unknown.	
" 11 12	7.41	.....	7 S. Holliday street.	Thomas & Evans	Printing office.	.....	.....	Four-story brick.	Loss \$25; recall 8.07 a. m.; overheated stove; extinguishers 4 and 6 Engines and 1 Hook and Ladder Cos.	
" 11 325	9.55	....	Druid Hill avenue, near Townsend st.	Home of the Friendless.	Orphan Asylum.	.....	.....	Five-story brick.	Loss \$30; recall 10.16 a. m.; bursting of water-back attached to range; no fire.	
" 11 6	.....	7.03	— Hollingsworth st.	.....	.....	.....	.....	Four-story brick.	Loss none; recall 7.12 p. m.; smoke seen coming out of a window.	
" 11 382	.....	9.05	Boundary ave., opposite Eutaw Square, Baltimore county.	Isaac S. George.	Dwelling.	.....	.....	Four-story brick.	Loss \$160; recall 10.15 p. m.; defective flue; extinguishers 4 Hook and Ladder Co.	
Thursd. 12 251	8.17	.....	94 Harford avenue.	Mrs. S. Murphy.	Dwelling and grocery.	.....	.....	Two-story brick.	Loss \$25; recall 8.43 a. m.; defective flue;	

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour A. M. P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Thursd. 12	42	8.25	S. W. Cor. Greene & Lexington streets.	C. D. Kenny.	Grocery.	.....	.....	Three-story brick.	extinguishers 6 and 9 Engine Cos. Loss \$20; recall 8.38 a. m.; stovepipe set- ting fire to roof; extinguishers 1 En- gine and 2 Hook and Ladder Co.
" 12	31	11.19	N. W. Cor. of Calvert and Franklin sts.	H. J. Lucke.	Hotel, Calvert House.	.....	.....	Four-story brick.	Loss \$214.50; recall 12.13 p. m.; fire worked through crack in chimney; extinguishers 3, 4, 6 and 7 Engine and 2 and 4 Hook and Ladder Cos.
Friday 13	232	7.06	48 N. Caroline street	Louis Knocke.	Liquor store & saloon.	6, 9	3	Two-story brick	Loss \$1200; recall 7. 59 a. m.; explosion of a barrel of whis- key.
" 13	345	7.45	348 N. Charles street.	George Colton.	Dwelling	.....	.....	Four-story brick	Loss \$11; recall 8.19 a. m.; defective flue; extinguishers 7 En- gine Co.
" 13	45	6.52	S. W. Cor. Republican and Mulberry sts.	Wm. Barnie.	Skating Rink.	.....	.....	Two-story brick	Loss \$10; recall 7.16 p. m.; overheated stove; extinguishers

Saturd. 14 153	9.39	.....	170 & 172 Canton ave.	John Pawlaks and others.	Dwellings.	.....	.....	Three-story brick	Loss \$265; recall 10.38 a. m.; overheated stove; extinguishers 3, 5 and 9 Engine and 3 Hook and Ladder Cos.	8 Engine & 4 Hook and Ladder Cos.
" 14 314	9.48	.....	17 State street.	Hannah Queen, col.	Dwelling.	.....	.....	Two-story brick.	Loss \$50; recall 10.03 a. m.; children playing with matches; extinguishers 1 Engine Co.	Ladder Cos.
Monday 16 42	.....	9.56	Lexington market.	City of Balto.	Market	.....	.....	One-story brick.	Loss none; recall 10.06 p. m.; smoke seen coming out of window; nothing in service.	Loss none; recall 10.06 p. m.; smoke seen coming out of window; nothing in service.
Tuesd'y 17 381	10.05	...	430 Parrish alley.	Mrs. R. Brown.	Dwelling.	.....	.....	Two-story brick.	Loss \$10; recall 10.23 a. m.; overheated stove; extinguishers 13 Engine Co.	Loss \$10; recall 10.23 a. m.; overheated stove; extinguishers 13 Engine Co.
" 17 24	.....	10.52	50 Ensor street.	Jos. Benesch.	Furnit're store.	.....	.....	Three-story brick	Loss \$310; recall 11.24 p. m.; overheated stove; extinguishers 3, 4 and 6 Engine Cos.	Loss \$310; recall 11.24 p. m.; overheated stove; extinguishers 3, 4 and 6 Engine Cos.
Friday 20 432	2.22	...	596 W. Pratt street.	J. T. Hopkinson.	Dwelling.	8	2	Three-story brick	Loss \$305; recall 3.39 a. m.; overheated stove.	Loss \$305; recall 3.39 a. m.; overheated stove.
" 20 15	....	2.34	179 S. Broadway.	Frank & Co S. Kann & Co. C. R. Gallagher.	Storage for dry goods. Dwelling.	3, 5	3	Four-story brick.	Loss \$1700; recall 3.44 p. m.	Loss \$1700; recall 3.44 p. m.
Saturd. 21 341	8.44	.....	265 St. Paul street.			.....	.....	Three-story brick	Loss \$35; recall 8.55 a. m.; defective flue.	Loss \$35; recall 8.55 a. m.; defective flue.

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Saturd. 21	324	.....	1.59	205 Preston street.	Castor Rice, col.	Dwelling.	.....	.....	Three-story brick	Loss \$125; recall 2 15 p. m.; boy playing with matches; extinguishers 7 and 8 Engine and 4 Hk and Ladder Cos.
Monday 23	156	10.45	.....	131 Thames street.	C. Kern.	Dwelling.	.....	.....	Three-story brick	Loss \$10; recall 11 20 a. m.; overheated stove; extinguishers 3 Hook and Ladder Co.
Tuesd'y 24	425	.....	1.45	665 W. Balto. street.	M. Spier.	Dry Goods store.	.....	.....	Three-story brick	Loss \$325; recall 2.05 p. m.; overheated furnace; extinguishers 8 and 10 Engine and 2 Hook and Ladder Cos.
Wend'y 25	26	.....	10.37	413 N. Gay street.	Wm. Becker.	Saloon and dwelling.	9	1	Three-story brick	Loss \$100; recall 11.27 p. m.; coal oil lamp explosion.
Friday 27	31	3.17	.....	156 N. Calvert street.	J. W. Boardman.	do.	4	1, 4	Three-story brick	Loss \$287; recall 4.07 a. m.; cause unknown.
" 27	521	.....	5.20	31 Conway street.	Myer Garrett.	Dwelling.	2	2	Three-story brick	Loss \$54 10; recall 6.16 p. m.; defective flue.

Saturd.	28 532	.....	2 29 223 Conway street.	H. Holbein.	Dwelling.	.....	.....	Three-story brick	Loss \$20; recall 2 43 p. m.; children playing with matches.
March. Monday	2 141	....	12 21 President street, near Aliceanna.	Swain & Banks.	Lumber yard.	.....	.....	.....	Loss \$40; recall 12 53 p. m.; supposed incendiary; extinguishers 3 Engine and 1 Hook and Ladder Cos.
Tuesd'y	3 372	....	4 13 342 N. Stricker street.	G. W. Gilbert.	Dwelling.	.....	.....	Three story brick	Loss \$175; recall 4 35 p. m.; children playing with matches; extinguishers 13 Engine and 4 Hook and Ladder Cos.
Friday	6 234	.....	1 31 7 Jackson Square.	Hiram Wiesenfelt	Dwelling.	.....	.....	Three-story brick	Loss \$250; recall 1 55 p. m.; gas setting fire to window curtain; extinguishers 5 Engine and 3 Hook and Ladder Cos.
"	6 52	....	4 53 N. E. Cor. Conway & Hanover streets.	Wehr, Gottlieb & Hobelman.	Malt house.	.....	.....	Four-story brick.	Loss —; recall 6 46 p. m.; back wall fell, crushing adjoining house; John Sauer, a workman, was killed; all members 1, 2, 10 and 12 Engine and 2 Hook and Ladder Cos. in service.
"	6 242	8 15 184 Forrest street.	Max Weber. Thomas Stone.	Lounge maker. Dwelling.	6	1	Three story brick	Loss \$500; recall 9 18 p. m.; overheated stove.

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DATE.	Box.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Saturd. 7	321	....	6.20	12 Pennsylvania ave.	C. F. Miller.	Paper Box factory.	.....	.....	Four-story brick.	Loss \$50; recall 6.55 p. m.; lighted paper falling in waste paper; extinguishers 1 and 7 Engine and 4 Hook and Ladder Cos.
Sunday 8	426	....	8.07	729 W. Baltimore st	Wm. Gourley.	Tea store and dwelling.	.....	.....	Three-story brick	Loss \$980; recall 9.08 p. m.; cause unknown; extinguishers 1, 8 and 10 Engine and 2 Hook and Ladder Cos.
Monday 9	242	....	4.18	77 E. Monument st., running through to Front street.	A. Storch & Sons	Sash factory & Planing mill.	4, 6, 9	1	One-story brick	Loss \$1000; recall 6 p. m.; heat from furnace.
Tuesd'y 10	241	.....	3.18	179 N. Front street.	Mrs. Fallon. Jacob Isaacs. Jacob Deufski.	Dwelling and Morocco factory.	4, 6	1	Three-story brick	Loss \$283.89; recall 4.35 p. m.; fire working through cracks in chimney.
Wedn'y 11	145	2.27	..	139 E. Baltimore st.	Cooper & Gutman.	Cigar factory.	Three-story brick	Loss \$100; recall 2.50 a. m.; overheated stove; extinguishers 3 and 5 Engine and 3 Hook and Ladder Cos.

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Thurs. 19 163	10.08	62 Fairmount avenue	Herman Jellneck	Dwelling.	Three-story brick	stovepipe; extin- guishers 4 Engine and 1 Hook and Ladder Cos. Loss \$67.50; recall 10. 27 a. m.; hearth taking fire from stovepipe; extin- guishers 5 and 9 Engine and 3 Hook and Ladder Cos. Loss \$100; recall 9.20 p. m.; lighted torch setting fire to waste. Loss none; recall 8. 27 p. m.; this alarm was given for same fire as box 252.
" 19 252	8.08	Chase Street bridge.	N. C. R. W.	Work Shop.	6	4	One-story frame.	Loss \$100; recall 9.20 p. m.; lighted torch setting fire to waste. Loss none; recall 8. 27 p. m.; this alarm was given for same fire as box 252.
" 19 25	8.14	.....	.....	.....	.....	.....	.....	.....
" 19 162	8.24	132 Thames street.	E. F. Frazier.	Machine Shop.	5, 11	3	Three-story brick	Loss \$1282.70; recall 9.54 p. m.; cause unknown.
Friday 20 18	12.20	Dillon street & East- ern avenue, Canton.	Schwartz.	School House.	.....	.....	One-story brick.	Loss \$35; recall 12.54 p. m.; defective flue; department not in service; Baltimore county.

Sunday 22	62	11.04	.....	29 Poultney street.	Mrs. Mary Marshall.	Dwelling.	.....	..	Three-story brick	Loss \$6; recall 11.10 a. m.; lighted pipe in coat pocket; extinguishers 2 Engine Co.
Tuesd'y 24	213	12.44	...	1, 2 and 3 Bloodgood Court.	Fred'k Tulp.	Tannery.	3, 4, 6, 9	1	Four-story brick.	Loss \$1000; recall 3.47 a. m.; overheated stovepipe.
Wedn'y 25	128	5.30	.....	25 S. Frederick street	J. G. Harraman.	Storage warehouse.	3	1	Four-story brick.	Loss \$119; recall 5.50 a. m.; some one setting fire to Broom-corn through a broken window.
Thursd. 26	35	.....	1.08	242 N. Howard street	Mrs. Lottie Barton.	Dwelling and Dress making establishment.	.....	.....	Three-story brick	Loss none; recall 1.30 p. m.; foul chimney; extinguishers 7 Engine Co.
"	26	351	....	6.15	225 Linden avenue.	S. Strauss.	Dwelling.	.....	Four-story brick	Loss \$25; recall 6.28 p. m.; explosion of gas stove; extinguishers 7 Engine Co
Saturd. 28	214	.....	10.33	64 W. Baltimore st.	M. J. Jeter.	Furniture store	3	1	Three-story brick	Loss \$200; recall 10.55 p. m.; cause unknown.
Sunday 29	8	11.05	.....	Nicholson street, near Huber.	B. & O. R. R.	Store house. Tank house.	12	2	Two-story brick. One-story brick.	Loss \$60; recall 12.24 p. m.; overheated stovepipe.
"	29	13	.....	6.58	Concord street, near Bowly.	Boyd & McKay.	3, 5	1, 3	.....	Loss \$800; recall 8.41 p. m.; incendiary.
Tuesd'y 31	451	5.05	...	30 Stockton alley.	Chas Brooks.	Dwelling.	Two-story brick.	Loss \$25; recall 5.21 a. m.; some person dropping a lighted candle among straw and rubbish; extinguishers 13 Engine

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Saturd. 7 321	6.29	12 Pennsylvania ave.	C. F. Miller.	Paper Box factory.	Four-story brick.	Loss \$50; recall 6.55 p. m.; lighted paper falling in waste paper; extinguishers 1 and 7 Engine and 4 Hook and Ladder Cos.
Sunday 8 426	8.07	729 W. Baltimore st	Wm. Gourley.	Tea store and dwelling.	.....	.....	Three-story brick	Loss \$980; recall 9.08 p. m.; cause unknown; extinguishers 1, 8 and 10 Engine and 2 Hook and Ladder Cos.
Monday 9 242	4.18	77 E. Monument st., running through to Front street.	A. Storeh & Sons	Sash factory & Planing mill.	4, 6, 9	1	One-story brick	Loss \$1,000; recall 6 p. m.; heat from furnace.
Tuesd'y 10 241	3.18	179 N. Front street.	Mrs. Fallon. Jacob Isaacs. Jacob Deufski.	Dwelling and Morocco factory.	4, 6	1	Three-story brick	Loss \$283.89; recall 4.35 p. m.; fire working through cracks in chimney.
Wedn'y 11 145	2.27	..	139 E. Baltimore st.	Cooper & Gutman.	Cigar factory.	.....	....	Three-story brick	Loss \$100; recall 2.50 a. m.; overheated stove; extinguishers 3 and 5 Engine and 3 Hook and Ladder Cos.

Thursd. 12 561	.....	2.02	.....	.....	.....	.....	.....	.....	Loss none; recall 2.15 p. m.; alarm given by active line-man through mistake.
Friday 13 52	.....	7.59	56 Conway street.	Marcus Reese.	Dwelling.	.....	.....	Three-story brick	Loss \$25; recall 8.17 p. m.; cause unknown; extinguish-ers 2 Engine Co.
Saturd. 14 157	.....	12.56	Shakespeare street, near Bond.	Johanna Herring	Dwelling and saloon.	.....	.....	Four-story brick	Loss \$25; recall 1.09 p. m.; lighted match set fire to clothing; extinguishers 3 and 5 Engine and 3 H'k and Ladder Cos.
Monday 16 417	6.58	.....	3, 5, 7 and 9 Portland street.	Wm. Reisinger & Sons.	Furniture warehouse.	1, 2, 8, 13	2	Three-story brick	Loss \$7700.09; recall 9.25 a. m.; cause unknown.
Tuesd'y 17 153	8.13	.....	188 Canton avenue.	Mrs. J. Feasley.	Saloon and boarding h'se.	.....	.....	Three-story brick	Loss \$20; recall 8.32 a. m.; overheated stovepipe; extin-guishers 3 and 5 Engine and 3 Hook and Ladder Cos.
" 17 271	8.58	.....	42 Chappel street.	George Lee.	Dwelling.	.....	.....	Two-story brick	Loss \$20; recall 9.18 a. m.; children play-ing with matches; extinguishers 9 En-gine and 3 Hook and Ladder Cos.
Wend'y 18 53	12.27	.....	355 Columbia avenue	P. Flaherty.	Dwelling.	.....	.....	Three-story brick	Loss \$35; recall 12.39 a. m.; coal oil lamp falling; extinguish-ers 10 Engine Co.
Thursd. 19 12	12.19	30 N. Gay street.	Jas. A. Myers & Co.	Upholstery Store.	Three-story brick	Loss \$50; recall 12.40 a. m.; overheated

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Sunday 19 141	9.10	President street, near Canton avenue.	Wilson & Hunt- ing.	Lumber yard.	3	1, 3	Loss \$400; recall 10. 45 p. m.; incendiary.
Saturd. 25 453	12.43	122 Harlem avenue.	J. H. Parrish.	Dwelling.	8	4	Three-story brick	Loss \$1100; recall 2. 53 p. m.; children play'g with m'tch's.
" 25 153	10.53	S. E. Cor. Eden and Alicanna streets.	J. V. Campbell.	Foundry.	3	3	One-story brick	Loss \$10; recall 11.30 p. m.; hot flasks taking fire.
Monday 27 513	. . .	10.31	N. E. Cor. Sharp and Dover streets.	Schenmerhorn & Evans.	Flour and Feed Store.	1, 2, 4	2	Three-story brick	Loss \$225; recall 12. 06 p. m.; Tuesday, April 28th; light- ed match or cigar thrown among hay-
Tuesd'y 28 243	. . .	9 02	Ensor street.	Mrs. Schultze.	Dwelling	.....	.....	Three-story brick	Loss \$239 60; recall 9.29 p. m.; lighted match thrown among bedding; ex- tinguishers 4 6 and 9 Engines & 1 Hook and Ladder Cos.
Wed'y 29 426	9.15	.....	810 W. Baltimore st.	Peter Gill.	Dwelling and Stove Store	.....	.....	Three-story brick	Loss \$248; recall 9.55 a. m.; children play- ing with matches; extinguishers 1, 8 & 10 Engines and 1 Hook and Ladder Cos.

Wed'n'y 29	8 11 23	.....	68 Towson street.	Herman Myer.	Dwelling.	.....	.....	Two-story brick.	Loss \$5; recall 11.52 p. m.; foul chimney; extinguish'rs 12 Engine Co.
Thursd. 30	12	.....	7.01 33 W. Baltimore st.	Chas. W. Duvall & Co.	Notion Store.	.....	.....	Four-story brick.	Loss \$142; recall 7 14 p. m.; gas jet setting fire to goods in the window; extingu'rs 1 Hook and Ladder Co.
May. Sunday 3	3 13	.....	8.01 Mt. Vernon Place, in the rear.	Robert Garrett.	Stables.	.....	.....	Two-story brick.	Loss none; recall 8.38 p. m.; derangement of furnace; nothing in service.
Tuesd'y 5	5 21	1.19	.....	Rev. Henry Scheib.	School House.	4, 6	1	Three-story brick	Loss \$1922.76; recall 4.15 a. m.; cause unknown.
"	5 31	.....	7.55 74 N. Holliday street.	Jas. Jason, col'd.	Restaurant & dwelling.	.....	.....	Three-story brick	Loss \$60; recall 8.18 p. m.; explosion coal oil lamp; extinguishers 4 Engine and 1 H'k and Ladder Cos.
Wed'n'y 6	6 51	.....	7.27 N. E. Cor. Pratt and Light streets.	Soles & Laws.	Candy Manufactory.	.....	.....	Four-story brick.	Loss \$10; recall 7.50 p. m.; syrup over-boiling; extinguishers 4 Engine and 1 Hook and Ladder Cos.
Thursd. 7	7 513	.....	5.50 168 W. Lombard st.	C. Ford & Co.	Furniture Manufactory.	2, 4	1	Three-story brick	Loss \$2972.04; recall 7.10 p. m.; spontaneous combustion.
Friday 8	8 23	5.51 37 N. Central avenue.	Chas. Ochms.	Dwelling.	Three-story brick	Loss none; recall 6.12 p. m.; cause un-

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Sunday 10 136	1.41	Union Dock.	James Corner & Sons.	Storage Shed.	3, 4	1	One-story brick.	known; extinguish- ers 6 and 9 Engine and 1 Hook and Ladder Cos. Loss \$1000; recall 2.
Tues'd'y 12 612	.....	11.11	115 William street.	Theo. Lear.	Dwelling.	.....	.....	Three-story brick	51 p. m.; incendiary. Loss none; recall 11. 31 p. m.; explosion of a can of powder which had been placed in the cellar. Loss none; recall 6.04
Saturd. 16 413	5 55	.....	5 S. Liberty street.	T. O'Brian.	Restaurant.	.....	.....	Four-story brick	a. m.; cause un- known; extinguish- ers 2 Hook & Lad- der Co. Loss \$430; recall 12.
Sunday 17 141	....	10.10	Cor. Canton avenue and President st.	E. L. Tunis & Co.	Lumber Yard.	3	1	.....	20 a. m., Monday, 18th; incendiary.
Tues'd'y 19 262	.....	4.07	567 N. Gay street.	Loeffler Bros.	Cigar Store & dwelling.	.....	.....	Three-story brick	Loss \$10; recall 4.26 p. m.; bursting of a coal oil stove; en- tinguishers 9 En- gine Co.
Wed'y 20 61	2.09	.....	York street, near Johnson.	W. H. Evans & Bro.	Marble Works.	.....	.....	Two-story brick.	Loss \$100; recall 2.55 a.m.; lighted match thrown in sawdust;

Wed'n'y 20 418	.....	2.03	64 N. Eutaw street.	G. A. Tauszky.	Bakery.	1, 4	1	Three-story brick	extinguishers 2 and 4 Engine and 2 Hk and Ladder Cos. Loss \$452.76; recall 3.49 p. m.; sparks from chimney.
" 20 15	....	11.50	N. E. Cor. Canton av. and Broadway.	R. Schlön.	Clothing Store	.....	.....	Four-story brick	Loss \$910; recall 12.14 a. m.; Thursday, May 21st; carbon point of electric light falling on clothing.
Thurs. 28 417	2.09	.....	12 & 14 Portland st.	H. Rossers & Son	Furniture Factory.	1, 2, 7, 8, 10	1, 2, 4	Three story brick	Loss \$2803; second alarm 2.15 a. m.; recall 4.40 a. m.; heat from furnace.
June, Tues'd'y 2 42	....	3.56	38 N. Greene street.	Isaac Sondheim.	Furniture Store.	.....	.....	Three-story brick	Loss none; recall 4.16 p. m.; lighted cigar thrown through the front window on a pile of excelsior; extinguishers 1 Engine and 2 Hook and Ladder Cos. Loss \$136.78; recall 3.37 p. m.; defective flue.
Wed'n'y 3 531	.....	2.09	77 Elbow Lane.	V. Mekel.	Dwelling.	10	2	Two-story brick.	Loss \$50; recall 3.31 p. m.; boys playing with matches.
" 3 342	.....	2.56	Intersect'n of Gettler and Federal sts.	Andrew Wise.	Stable.	7	4	One-story frame.	Loss \$18; recall 11.15 a. m.; foul chimney; extinguishers 2 En-
Thurs. 4 54 11.02		24 Leadenhall street.	Anthony Hicks, colored.	Dwelling.	Three-story brick	

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		A. M.	P. M.							
Thursd. 4	524	11.05	153 S. Charles street.	North & Reisers.	Brush Factory.	2	2	Four-story brick.	gine and 2 Hook and Ladder Cos. Loss \$156.99; recall 11.22 p. m.; cause unknown.
Friday 5	13	2.52	... ..	Cor. East Falls ave. and Granby st.	Gossnell & Co.	Sash, Door and Frame Factory.	1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 13	1, 2, 3	Four-story brick.	Loss \$67.22; second alarm 2.58 a. m.; third alarm 3.05 a. m.; recall 7.45 a. m.; heat from furnace.
Wedn'y 10	272	11.30	.....	449 E. Chase street.	Wm. Redger.	Furniture Factory.	9	3	Three-story brick	Loss \$25; recall 12.06 p. m.; fire falling from stove.
" 10	417	....	8.28	8 Emory street.	L. O'Rourke.	Dwelling.	10	2	Three-story brick	Loss \$50; recall 9.31 p. m.; falling of a coal oil lamp; Mrs. O'Rourke suffocated
Thursd. 11	41	....	8.50	7 Bank lane.	C. J. Carey & Co.	Type Foundry.	4	1	Four-story brick.	Loss \$181; recall 10.02 p. m.; heat from smelting pot.
Monday 15	52	.....	3.54	Stump alley, rear of 127 Hanover street.	Sam'l Gunt.	Stable.	2	... ..	Two-story brick.	Loss \$5; recall 4.13 p. m.; boys playing with fire.
Tuesd'y 16	513	.....	8.16	S. E. Cor. Pratt and Sharp streets.	Rand & McSherry.	Furniture Factory.	.....	.....	Four story brick.	Loss none; recall 8.25 p. m.; burning of rags; nothing in service.

Wedn'y 17 521	1.31 S. W. Cor. Pratt and Charles streets.	Wm. Lloyd.	Hotel and Restaurant.	1, 2, 4, 12	1, 2	Four-story brick	Loss \$253.43; recalling of a coal oil stove.
Thurs. 18 161 8.57	176 S. Durham street.	Mrs. E. Bertry.	Dwelling.		.....	Three-story brick	Loss none; recall 9.14 a. m.; upsetting of a stove; extinguish'rs 3 Hook and Ladder Co.
Friday 19 23	8.07 88 Orleans street.	Mrs. P. Taylor.	Millinery Store and dwelling.	.....	.....	Three-story brick	Loss \$60; recall 8.18 p. m.; explosion of coal oil lamp; extinguishers 6 and 9 Engines and 3 H'k and Lar'ier Cos.
Sunday 21 147	7.12 Foot of Exeter street, near the Basin.	Penna. R. R. Co. E. M. Lazarus & Co.	Cars loaded with lumber.	3	3	.....	Loss \$500; recall 7.57 p. m.; incendiary.
Wedn'y 24 161	8.31 202 S. Broadway.	M. Frohlich.	Notion Store and dwelling.	.....	.....	Four-story brick	Loss \$1135; recall 9.35 p. m.; gas jet set fire to goods on shelves; extinguish'rs 5, 9 and 11 Engine and 3 Hook and Ladder Cos.
Saturd. 27 14 2.24	36 E. Pratt street.	John Sauters.	Cooper Shop and stable.	.....	.....	Three story brick	Loss \$5; recall 2.40 a. m.; supposed parties smoking in stable; extinguishers 3 Engine Co.
July, Tuesd'y 2 531 9.39	141 S. Fremont street.	S. Strong.	Dwelling.	Three-story brick	Loss \$60; recall 10.05 a. m.; spontaneous combustion; extinguishers 2, 8 and 10

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Friday	3 562 12.35	143 Fort avenue.	Wm. Fredericks.	Dwelling.	Three-story brick	Engine and 2 Hook and Ladder Cos. Loss \$100; recall 1.08 p. m.; children playing with matches; extinguishers 12 Engine and 2 Hook and Ladder Cos.
Saturday	4 425	12.35	6 N. Amity street, in the rear.	G. F. Bachman.	Restaurant & dwelling.	.....	.....	Two-story brick	Loss \$65.30; recall 12.49 a. m.; sparks from stove; extinguishers 2 Hook & Ladder Co.
"	4 241	..... 9.56	20 Hillen street.	D. Maines.	Dwelling.	.....	.....	Three-story brick	Loss \$199.55; recall 10.19 p. m.; sparks from chimney; extinguishers 4 and 6 Engine and 1 Hook and Ladder Cos.
"	4 7	... 10.12	Johnson street, near Clement.	L. J. Ripple.	Stable.	12	2	Two-story frame.	Loss \$92; recall 11.02 p. m.; explosion of barrel of gasoline.
Sunday	5 514	12.07	S. W. Cor. Pratt and Paca streets.	Wm. Pierson.	Restaurant & tenement house.	.....	.....	Four-story brick	Loss \$5; recall 12.25 a. m.; fireworks thrown on roof; extinguishers 2 Hook and Ladder Co.

Tuesday 7	5	6.39	11 S. Charles street.	Wm. Seemuller & Co.	Auction and Storage Ware- house.	.....	.....	Five-story brick.	Loss \$180.17; recall 7. 29 p. m.; sponta- neous combustion; extinguishers 4 En- gine and 1 Hook and Ladder Cos.
Thursd. 9	46	.....	3.34 16 Frederick avenue.	John H. Simpson	Restaurant & dwelling.	.....	.....	Three-story brick	Loss \$123.42; recall 3.57 p. m.; sparks from flue, set fire to bed; extinguishers 8 & 10 Engine Cos.
Friday 10	45	.....	6.15 303 W. Townsend st.	Mrs. Mary West.	Dwelling.	.....	.....	Three-story brick	Loss \$75; recall 6.57 p. m.; explosion of coal oil stove; ex- tinguishers 8 and 13 Engine and 4 Hook and Ladder Cos.
" 10	181	.....	11.59 O'Donnell street, be- tween 2d and 3d, Baltimore county.	Timothy Burke.	Stable.	.....	.....	One-story brick. Two-story frame.	Loss —; recall 12. 33 a. m.; Saturday, 11th; the apparatus went as far as city limits.
Monday 13	46	.....	12.40 15 Montrose street.	L. R. Vansant.	Dwelling.	.....	.....	Three-story brick	Loss \$5; recall 12.54 p. m.; explosion gasoline gas; extin- guishers 8 and 13 Engine Cos.
Tuesday 14	35	9.49 294 N. Eutaw street.	L. Hahns.	Dwelling.	Three-story brick	Loss \$12; recall 10. 15 a. m.; stovepipe through frame par- tition; extinguish- ers 7, 8 and 13 En- gine and 4 Hook and Ladder Cos.

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Wed. y 15 123		2.22	S. W. Cor. Pratt and Commerce streets.	A. L. Webb & Son.	Storage Ware- house.	Four-story brick.	Loss \$50; recall 3.40 a. m.; spontaneous combustion; extin- guishers 4 Engine and 1 Hook and Ladder Cos.
" 15 5		8.32	.....	8.32 8 S. Charles street. 10 S. Charles street.	O. Clay & Co. R. Armiger.	Printing Es- tablishment. House Fur- nishing Store.	.....	.....	Four-story brick.	Loss \$282.31; recall 9. 35 p. m.; heat from furnace; exting'rs 1, 2, 3 and 4 Engine and 1 and 2 Hook and Ladder Cos.
Thursd. 16 247		7.57	331 N. Gay street.	J. Randolph.	Notion Store.	.....	.....	Three-story brick	Loss \$11; recall 8.17 p. m.; gas jet setting fire to goods in win- dow; extinguishers 6 and 9 Engine Cos.
Saturd. 18 34		12.10	178 Tyson alley.	John Young, col.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 12. 30 p. m.; fire made to smoke out ver- min; extinguishers 7 Engine and 4 H'k and Ladder Cos.
Tuesd'y 21 25		8.19	.....	331 North street.	M. Neary.	Dwelling.	.....	.....	Three-story brick	Loss \$35; recall 8.42 a. m.; spontaneous combustion; extin- guishers 6 & 7 En-

Wedn'y 23 146	3.02	..... 1, 3, 5 & 7 President street. 11 President street.	Jas. Bates.	Iron Foundry.	2, 3, 4, 6, 9, 11	1, 3	Three-story brick	gine and 4 Hook and Ladder Cos Loss \$7871.26; second alarm 3.09 a. m.; recall 6.49 a. m.; cause unknown.
" 22 53	.....	2.41 114 Scott street.	Mrs. Lyons.	Vinegar depot. Dwelling.	.....	..	" "
Thursd. 23 31	11.50	... 111 N. Calvert street.	Charles McRae.	Wholesale Liquor Store	4, 6, 7	1, 4	Four-story brick.	Three-story brick Loss \$100; recall 3.02 p. m; children playing with matches; extinguish'rs 10 Engine and 2 Hook and Ladder Cos.
Saturd. 25 316	7.55	... 36 and 38 Buren st.	J. W. Babylon.	Steam Shoddy Mill.	3, 4, 6, 7, 9	1, 4	Three-story brick	Loss \$5986.64; recall 1.20 p. m.; explosion of a barrel of liquor.
" 25 316	....	" "	" "	" "	6	1	Three-story brick	Loss \$4244; second alarm 8 08 a. m.; recall 11.12 a. m.; some metal substance striking fire in picker.
Sunday 26 52	12 24	..... 124 Hanover street, in the rear.	John Heiner & Son.	Stable.	2	.....	Two-story brick.	Loss none; recall 12.35 a. m.; incendiary.
Tuesd'y 28 315	1.49	..... 71 and 73 Mt. Vernon Place, rear.	Robt. Garrett.	"	1, 7	4	Two-story brick.	Loss \$300; recall 3.02 a. m.; cause unknown.
Thurs. 30 152	8.38 67 S. Broadway.	Geo. Herold.	Paper Store & dwelling.	Three-story brick	Loss \$338.85; recall 9.05 a. m.; children play'g with matches; extinguishers 3, 5 and 11 Engine &

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Friday 31	413	11 20 47 S. Liberty street.	Atkinson Bros.	Jewelry Store and dwelling.	Three-story brick	3 Hook and Ladder Cos. 28 p. m.; lighted cigar thrown on awning; exting'rs 2 Hook and Ladder Co.
" 3	516	.....	11 42 Haynes street, exten- ded to Raustead's wharf.	Swindell Bros.	Glass Works.	1, 2, 9, 10, 12	2, 4	Two-story frame.	Loss \$3500; recall 5. 39 a. m., Saturday, August 1st; cause unknown.
August. Sunday 2	346	10.16	.....	269 N. Howard street	J. DeBaer Tailor Store & dwelling.	...	.....	Three-story brick	Loss \$116.82; recall 10.35 a. m.; cause unknown; extin- guishers 7 Engine and 4 Hook and Ladder Cos.
Monday 3	514	10.30	.....	31, 33 & 35 S. Eutaw street.	M. Laupheimer Bros. & Co. Chemical Lab- ratory.	1, 2, 3, 4, 6, 7, 8, 10	.....	Three-story brick	Loss \$16,463.77; se- cond alarm 10 37 a. m.; recall 1.21 p. m.; vapor taking fire from stove; fireman Michael Halloran, of No. 1 Engine Co.

Friday	7 242	5.59	.....	21 Greenmount ave.	G. W. Glanty.	Shoe Store and dwelling.	.....	Three-story brick	killed by falling from ladder. Loss \$675 23; recall 6.35 a. m.; spontaneous combustion; extinguishers 4, 6, and 9 Engine and 1 Hook and Ladder Cos.
Monday	10 419	.....	6.40	129 Saratoga street.	G. C. Bolgiano	Hardware Store & dwelling.	.....	Three-story brick	Loss \$86; recall 7.10 p. m.; cause unknown; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Friday	21 25	2.45	.....	409 N. Gay street.	John Holmes.	Dwelling.	.....	Three-story brick	Loss \$18; recall 3.05 a. m.; man smoking pipe in bed; extinguishers 9 Engine and 1 Hook and Ladder Cos.
Monday	24 26	...	1.47	23 E Monument st.	C. Reany.	Storage Room.	.....	One-story frame.	Loss \$20; recall 2.03 p. m.; cause unknown; extinguishers 9 Engine Co.
Friday	28 123	4.50	....	47 & 49 W. Pratt st.	Tyler Bros.	Cracker Bakery & storage warehouse.	.....	Six-story brick.	Loss \$212.63; recall 5.27 a. m.; cause unknown; extinguishers 3 and 4 Engine and 1 Hook and Ladder Cos.
Saturd.	29 517	7.45	....	Bayard street and B. & O. R. R.	Equitable Gas Co.	Gas House.	2, 8, 10	One-story brick.	Loss \$750; recall 9.35 a. m.; heat from furnace.

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour A. M. P. M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Sunday 30	162	1.23 . . .	Water's wharf, Thames street.	Robt. Turner & Son.	Phosphate fac- tory.	5, 9, 11	3	Two-story brick.	Loss \$795; recall 3.07 a. m.; heat from fur- nace.
Monday 31	54	3.09	Cor. Sharp and Mont- gomery streets.	Smith & Son.	Grocery Store & dwelling.	. . . . .	. . . . .	Three-story brick	Loss \$415.75; recall 3. 30 a. m.; rats nib- bling matches; ex- tinguish'rs 2 En- gine & 2 Hook & Ladder Cos.
Sept. Thursd. 3	157	9.31	211 S. Bethel street.	Mrs. Anna Maguire.	Stable.	5, 11	3	One-story frame.	Loss \$260.73; recall 10.54 a. m.; cause unknown.
"	3431	. . . . 2.44	465 W. Pratt street. 467 " " " 469 " " "	Tinley & Bros. Bailey Bros. Buck & Co.	Sash Man'f'y. " " Office Fur. "	1, 2, 3, 4, 5, 7, 8, 10, 12, 13	1, 2, 4	Four-story brick. " " " "	Loss \$14801; second alarm 2.49 p. m.; third alarm 2.54 p. m.; recall 8.33 p. m.; cause unknown.
Friday 4	5	. . . . 2.31	307 W. Baltimore st. 309 " "	Otto Sutor. C. N. Oehm & Co.	Music Store. Clothing "	1, 2, 3, 4	1, 2	Four-story brick. " " " "	Loss \$4931; recall 5. 50 p. m.; cause un- known.
Saturd. 5	14	1.52	Granby street and E. Falls avenue. 14 W. Pratt street.	J. S. Gosnell & Co. G. G. Taylor. Dushane & McCormick.	Millsupply fac- tory. Machine Shop. Fruit Packers	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	1, 2, 3	Four-story brick. " " " "	Loss \$17,212.77; se- cond alarm 1.56 a. m.; third alarm 2.01 a. m.; recall 9.53 a. m.; cause unknown.

Saturd. 5 418	...	7.05	81 N. Howard street.	Perry & Faupel.	Mouldings and 1 Furniture.	2	Four-story brick.	Loss \$2086.80; recall 8.49 p. m.; spontaneous combustion.
Monday 7 531	1.05	....	40 Haw street.	M. Farrell.	Dwelling.	.....	Two-story brick.	Loss \$285; recall 1.46 a. m.; coal oil lamp explosion; extinguishers 2, 8 and 10 Engine & 2 Hk and Ladder Cos.
" 7 425	5.06	.....	Corner Baltimore and Schroeder streets, in the rear.	George R. Morrison.	Bakery and dwelling.	1, 8, 10	One-story frame.	Loss \$326.40; recall 6.06 a. m.; heat from oven.
Tues'd'y 8 147	.....	5.35	Cor Eden and Aliceanna streets.	Edwin Bennett.	Pottery.	3, 5, 11	Two-story brick	Loss \$983.03; recall 6.58 p. m.; sparks from furnace.
" 15 174	.....	12.07	45 S. Castle street.	John Kernan.	Dwelling.	.....	Two story brick	Loss \$30; recall 12.19 p. m.; children playing with matches; extinguishers 5 Engine and 3 Hook and Ladder Cos.
" 15 248	.....	2.50	147 North street, in the rear.	Henry McShane & Co.	Iron Foundry.	..... 1	One-story frame.	Loss \$20; recall 3.08 p. m.; heat from furnace.
Wedn'y 16 13	9.35	.....	Cor. Pratt and President streets.	James Bates & Sons.	Iron Foundry.	3, 4	Two-story frame.	Loss \$325; recall 10.35 a. m.; sparks from cupola.
Saturd. 19 623	9.59	.....	89 Church street.	Clinton H. Green colored.	Dwelling.	.....	Two-story brick.	Loss \$13.25; recall 10.12 a. m.; defective flue; extinguishers 2 Engine Co.
Tues'd'y 22 321	1.24	.....	155 Pennsylvania ave.	C. Wheatfield.	Junk Store.	.....	Three story brick	Loss \$100; recall 1.42 a. m.; coal oil lamp explosion; extinguishers 7 En-

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour A. M. P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Thurs. 24 157	10.57	.....	306 S. Caroline st.	Thienmyer & Co.	Box Factory.	.....	.....	Two-story brick.	Engine and 4 Hook & Ladder Cos. Loss \$15; recall 11.30 a. m.; sparks from smoke stack; extinguishers 3, 5 and 11 Engines & 3 Hook and Ladder Cos.
Saturd. 26 248	.....	10.13	91 N. Holliday street.	Baltimore Print- ing Co.	Printing Office	.....	.....	Three-story brick	Loss \$500; recall 10.47 p. m.; cause unknown; extinguishers 4 and 6 Engine and 1 Hook and Ladder Cos.
Sunday 27 418	.....	3.28	156½ Lexington street	M. Weglein.	Dry Goods & Notion Store	.....	.....	Three-story brick	Loss \$3950; recall 3.57 p. m.; cause unknown; extinguishers 1, 4 & 7 Engine and 2 Hook and Ladder Cos.
Monday 28 236	11.15	.....	Bradford alley, near Fairmount avenue.	E. W. Gorman.	Livery Stable. Carpenter	5, 9, 11	3	Three-story brick	Loss \$407.10; recall 12.52 p. m.; sparks setting fire to hay
Tuesday 29 363	8.30	.....	177 N. Fremont st.	H. G. Blaney.	Shop. Dwelling.	.....	.....	Two-story brick.	Loss \$107.10; recall 9.08 a. m.; defective flue.

Wed'y 30 34	.....	12.50	121 Park avenue.	W. N. Nicholas.	Dwelling.	.....	Three-story brick	Loss \$700; recall 2.07 p. m.; cause unknown; extinguishers 1, 7 and 13 Engine and 4 Hook and Ladder Cos.
" 30 5	....	8.00	15 Light street.	Clarke & Jones.	Candy Factory.	1, 2, 3, 4, 5, 6, 1, 2, 3	Five-story iron front.	Loss \$47,653.64; second alarm 8.17 p. m.; third alarm 8.21 p. m.; recall 1 a. m. October 1st; oil taking fire from a furnace.
			17 "	Guggenheimer & Co.	Printers.	7, 8, 9, 10, 12	"	
			19 "	Clement, Wiel & Ball.	Shoe Factory.		"	
October.								
Saturd. 3 13 10.35	.....		Foot of Second street.	Smith, Wicks & Co.	Tin Can Factory.	1	One-story frame.	Loss \$250; recall 11.37 a. m.; vapor taking fire from a lamp.
Monday 5 81 7.05	....		Fort avenue, near Hull street.	Symington Bros. & Co.	Fertilizer Factory.	2	One-story frame and brick.	Loss none; recall 8.25 a. m.; sulphur falling in furnace.
Tuesd'y 6 161 2.20	....		322 Canton avenue.	T. G. Dobby.	Shoe Store and dwelling.	.....	Three-story brick	Loss \$356.56; recall 3.20 a. m.; supposed rats nibbling m'ch-ers; extinguishers 5 and 11 Engine and 3 Hook and Ladder Cos.
Thursd. 8 512	....	8.50	Uhler's alley, near Charles street.	John H. Short.	Wood Work Factory.	1, 2	One-story frame.	Loss \$100; recall 10.58 p. m.; spontaneous combustion.
Friday 9 323 12.11	....		Winmer alley, near Lauvale street.	Chas. Tyler & Bro.	Stable.	4	Two-story brick.	Loss \$750; recall 2.20 a. m.; cause unknown.

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour A. M.	Hour M. P.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS.
Saturd	10 541	12 20	.....	198 York street.	Jas. Wallace.	Dwelling.	.....	.....	Three-story brick	Loss \$5; recall 12 31 a. m.; coal oil lamp falling; extinguishers 2 Engine Co.
Friday	23 623	....	9 57	41 Williamson street.	Wm. Jones.	Dwelling.	2, 12	2	Two-story brick.	Loss \$587; recall 11. 10 p m.; overheated stove.
Saturd.	24 512	.....	2 05	.....	.....	.....	.....	.....	.....	Loss none; recall 2. 13 p. m.; box pulled by mistake.
"	24 15	....	3 19	87 S. Broadway.	Jos. Scherer.	Dwelling.	3, 5, 11	3	Two-story brick.	Loss \$-----; recall 3.35 p. m.; spontaneous combustion.
Sunday	25 156	.....	7 11	97 Thames street.	M. Betzer.	Dwelling.	.....	.....	Three-story brick	Loss \$5; recall 7.27 p. m.; curtain caught fire; extinguishers 3 Hook & Ladder Co.
Thursd.	29 162	.....	9 20	Foot of Wolfe street.	... ..	Tug Boat Dolphin.	5	3	Tug Boat.	Loss \$1225; recall 12. 06 a. m. October 30; heat from furnace.
Friday	30 419	8 30	.....	Cohen alley, near Mulberry street.	Caroline Carter, colored.	Dwelling.	.....	.....	Two-story brick	Loss \$543.50; recall 10 a. m.; children playing with machines; extinguishers 1, 2, 7 and 8 Engine and 2 Hook and Ladder Cos.

November Sunday	1212	.....	8.27	13 W. Baltimore st.	Graham & Schmidt.	Furnit're Fac- tory.	.....	.....	Four-story brick.	Loss none; recall 8.47 p. m.; foul chimney.
Wedn'y	4418	.....	8.53	145 Lexington street.	D. Lowenthal.	Mattress Fac- tory.	1	2	Three-story brick	Loss \$211.25; recall 9. 49 p. m.; cause un- known.
Friday	6413	.....	1.10	83 Lexington street.	G. H. Kuhst.	Furniture Fac- tory.	4	2	Four-story brick.	Loss \$128.42; recall 1.39 p. m.; cause unknown.
Saturd.	712	12.08	.....	32 W. Baltimore st.	Tagart & Co.	Dine Museum	.....	.....	Three-story brick	Loss \$25; recall 12.26 a. m.; electric wire in contact with wood work; extin- guishers 4 Engine and 1 Hook and Ladder Cos.
"	7246	10.03	.....	98 Ensor street.	John Smith.	Dwelling.	.....	.....	Three-story brick	Loss \$155; recall 10. 29 a. m.; children play'g with m'tch's; extinguishers 4, 6 and 9 Engine and 1 Hook and Ladder Cos.
Sunday	8423	2.13	.....	437 W. Baltimore st.	H. Strasburger.	Restaurant.	.....	.....	Three-story brick	Loss \$166; recall 2 25 a. m.; lighted match thrown in pile of rubbish; exting'rs 1 Engine and 2 H'k and Ladder Cos.
Tuesd'y	1062	6.04	.....	S. W. Cor. West and William streets.	Jos. Gehring.	Grocery Store & dwelling.	.....	.....	Three-story brick	Loss \$10; recall 6.30 a. m.; vapor from coal oil; exting'rs 2 Hook and Ladder Co.

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. 2	STYLE OF BUILDINGS.	REMARKS.
Wednesday 11 418	7.36	54	N. Howard street.	B. T. Hynson & Sons.	Upholstery Store.	1	2	Three-story brick	Loss \$10; recall 7 55 p. m.; spontaneous combustion.
Thursday 12 154	9.02		Wharf foot of Willis street.	Tyson & Co.	Scow, loaded with Lime.	.....	.....	Scow.	Loss \$100; recall 10.06 p. m.; lime accidentally slacking.
Sunday 15 343	1.52	116	W. Hoffman st.	John Beck.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 2.15 p. m.; defective flue; extinguishers 4 Hook and Ladder Co.
" 15 62	10.05	402	Hanover street.	Patrick Sweeney.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 10.19 p m.; incendiary; extinguishers 12 Engine Co.
Monday 16 451	8.24	.....	268	N. Carey street.	.....	Dwelling.	.....	.....	Three-story brick	Loss \$129.65; recall 8.34 p. m.; bursting of range; extinguishers 4 Hook and Ladder Co.
" 16 258	2.23	110 and 112	Ensor st.	O. Kernan & Co	Storage House for Cotton Waste.	6	1	Three-story brick	Loss \$925; recall 3.13 p. m.; cause unknown.
" 16 243	6.20		do.	do.	do.	.....	.....	Three story brick	Loss none; recall 7.08 p. m.; rekindling of above fire.

Tues'd'y 17 324	9.05	..... 58 & 60 Oxford st.	Mary Norris. Foster Jackson.	Dwellings.	7	4	Three-story brick	Loss \$608.88; recall 10.40 a. m.; child set fire to clothing.
Wedn'y 18 418	1.15	..... Stag alley, bet. Lexington & Marion sts	Several Italian Families.	Tenement h'se.	.....	..	Three-story brick	Loss \$20; recall 1.31 a. m.; overheated stove; extinguish's 1 Engine Co.
Saturd. 21 212	.....	12.22 9 Centre Market space	Mrs. Ann Grady.	Boarding ho'se	.....	.....	Three-story brick	Loss \$10; recall 12.36 p. m.; overheated stove; extinguish's 1 H. & L. Co.
Tues'd'y 24 415	2.44	.... 340 W. Baltimore st.	Dubricll & Lowe	Shirt Factory & Laundry.	1, 2, 4, 6, 7, 8	1, 2, 4	Five-story brick.	Loss \$9914 20; second alarm 2.51 a. m.; recall 6.41 a. m.; hot ashes in boxes.
Wedn'y 25 512	10.42	... 19 Hanover street.	Marcus & Son.	Mattress Factory.	2	1	Four-story brick.	Loss \$320; recall 11.39 a. m.; lighted cigar dropped in straw.
Saturd. 28 312	1.25	..... 46 N. Liberty street.	Wilson & Perry.	Straw Hat Factory.	1, 2, 4	2, 4	Three-story brick	Loss \$3683.75; recall 3.48 a. m.; overheated pipes.
Sunday 29 24	.....	10.03 213 N Gay street.	Jos. Lowenthal.	China Store.	6	1	Three-story brick	Loss \$45; recall 10.29 p. m.; lighted match thrown in rubbish.
December. Tues'd'y 1 342	2.55	..... Cathedral street, near Biddle.	Stabler & Co.	Coal Office.	7	4	One-story frame.	Loss \$418; recall 3.59 a. m.; overheated stove.
" 1 362	.....	12.31 11 Clark street.	Henry Laib.	Dwelling.	.....	.....	Three-story brick	Loss \$200; recall 1.20 p. m.; children playing with matches; extinguishers 8 and 13 Engine & 4 H'k and Ladder Cos.

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box.	Hour		LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDINGS.	REMARKS
		A. M.	P. M.							
Tues'd'y	1 424	.....	11 50	49 N. Fremont street.	J. F. Shanks.	Dwelling.	8	1	Two-story brick	Loss \$540; recall 1.18 a. m. December 2d; explosion of coal oil lamp.
Friday	4 263	1.36	.....	N. W. Cor. Central avenue and Biddle street.	Wm. Breeback. A. Niebergall.	Feed Store. Dwelling.	9	4	Three-story brick	Loss \$593; recall 3.01 a. m.; falling of a coal oil lamp.
"	4 416	9.27	...	461 and 463 W. Baltimore street.	Baltimore Furniture Manufactory Co. Tug Propellor E. N. Fairchild.	Furniture Warehouse. Freight Boat.	1 2	2	Three-story brick	Loss \$2904; recall 10.54 a. m.; defective fluc. Loss \$500; recall 6.17 a. m.; overheated boiler.
Saturd.	5 61	2.58	.....	Light Street wharf, pier 16.	Mrs. Etheridge.	Boarding ho'se	.....	.....	Three-story brick	Loss none; recall 2.53 p. m.; smoke blowing down the chimney.
"	5 451	.....	2.38	139 Edmondson ave.	J. S. Valiant.	Paper Store & dwelling.	...	.....	Three-story brick	Loss \$22; recall 5.47 p. m.; coal oil lamp falling; extinguishers 7 Engine Co.
"	5 364	.....	5.34	177 Madison avenue.	I. Anderson.	Dwelling.	.....	.....	Three-story brick	Loss \$20; recall 8.30 a. m.; overheated stove; extinguishers 9 Engine Co.
Tues'd'y	8 261	8.06	.....	307 E. Eager street.	Miss McNeil.	Dwelling.	.....	.....	Three-story brick	Loss \$15; recall 9.03 p. m.; lighted candle
Saturd.	12 35	.....	8.25	125 W. Biddle street.						

Sunday 13	65	9.46	.....	4 McComas street.	Jos. Miller. }	Dwelling.	.....	..	Two-story brick.	Loss \$12; recall 10.10 a. m.; children playing with matches; exting'rs 12 Engine Co.	dropped among rags in the shed; extinguish'rs 7, 8 & 13 Engine and 4 Hook and Ladder Cos.
"	13	382	.....	4.29 505 Madison avenue.	Henry Moale.	Dwelling.	.....	.....	Four-story brick	Loss none; recall 4.52 p. m.; foul chimney.	
Monday 14	417	.....	.....	3.43 64 Columbia avenue, in the rear.	Mary Morgan.	Dwelling.	.....	.....	Three-story brick	Loss \$20; recall 4.03 p. m.; overheated stove; extinguishers 2 and 10 Engine and 2 Hook and Ladder Cos.	
Tuesd'y 15	121	.....	.....	7.58 59 W. Lombard st.	Raith & Oldham.	Wholesale Grocers.	3	1	Four-story brick	Loss \$575; recall 8.43 p. m.; hot ashes in wooden box.	
Wedn'y 16	156	8.15	...	South Broadway.	Mayor and City Council.	Market House.	3, 5, 9, 11	3	One-story brick.	Loss \$500; recall 9.42 a. m.; overheated cook stove.	
"	16	415	...	7.21 340 W. Baltimore st.	Dubriell & Lowe	Shirt Factory & Laundry.	1, 2, 4, 7	1, 2	Four-story brick.	Loss \$4564.17; recall 9.27 p. m.; cause unknown.	
Saturd. 19	461	.....	.....	2.31 51 Parrish alley.	J. Rosher.	Dwelling.	.....	.....	Two-story brick.	Loss \$25; recall 2.45 p. m.; defective flue; extinguishers 8 and 10 Engine Cos.	
"	19	361	...	5.46 231 Lexington street.	Thos. Mules.	Notion Store.	1	2	Two story brick	Loss \$10; recall 6.09 p. m.; spontaneous combustion.	

Record of Fires and Alarms for the year ending December 31, 1885.

DATE.	Box	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE- OF BUILDINGS.	REMARKS.
Sunday	20 351	.....	5.07	51, 53, 55, 57 and 59 N. Greene street.	Geo R. Skillman & Co.	Cake & Crack'r Bakery.	1, 2, 4, 6, 7, 8, 10, 13	1, 2, 4	Four-story brick.	Loss \$20 000; second alarm 5.12½ p. m.; third alarm 5.35 p. m.; recall 11.48 p. m.; cause unknown. Loss \$25; recall 6.25 p. m.; incendiary.
"	20 141	....	5.37	Canton and E. Falls avenues.	Wilson & Hunt- ing.	Lumber Yard.	3	3	.....	Loss \$25; recall 6.25 p. m.; incendiary.
Tuesd'y	22 212	.....	11.51	E. Baltimore street & Jones' Falls.	Kernan Bros.	Monumental Theatre.	3, 4	1, 3	Four-story brick.	Loss \$765.62; recall 1.37 a. m. Dec. 23d. cause unknown.
Wed'y	23 261	10.15	.....	252 N. Central ave.	Mary Antz.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 10. 27 a. m.; overturn- ing of a stove.
Friday	25 258	9.14	.....	132 Ensor street.	C. H. Grant.	Dwelling.	.....	.....	Three-story brick	Loss \$10; recall 9.30 a. m.; overheated stove; extinguish- ers 9 Engine and 1 Hk & Ladder Cos.
"	25 514	11.05	.....	101½ Camden street.	D. W. Stratton.	Dwelling and Restaurant.	.....	.....	Three-story brick	Loss \$129.50; recall 11.12 a. m.; explo- sion of gasoline stove; extinguish- ers 2 Engine Co.
"	25 242	.....	6.37	117 Greenmount ave.	Urban Kaufman.	Dwelling.	.....	.....	Three-story brick	Loss \$218 76; recall 7.06 p. m.; defective flue; extinguishers 6 and 9 Engine Cos.

Saturd.	26 351	10 09	....	201 Linden avenue.	Chas. Simon.	Dwelling.	.....	Three story brick	Loss none; recall 10.
"	26 413	....	2 56	S. E. Cor. Liberty and Lexington streets.	Mrs. Hamburger.	Dwelling and Millinery St're	1	25 a. m. ; foul chimney.	
"	26 64	.....	10 12	Johnson street, near Wells.	B. & O. R. R.	Storage Lot for R. R. Ties	2, 12	Three-story brick	Loss \$600; recall 3 39 p. m. sparks from furnace.
Sunday	27 272	.....	9 42	448 E. Chase street.	J. H. Vancour.	Dwelling.	.....	Three-story brick	Loss \$50; recall 3 32 a. m., Sunday 27th; sparks from locomotive.
Monday	28 514	.....	9 47	316 W. Pratt street.	B. Kaufman.	Dwelling and Clothing St're	.....	Three-story brick	Loss \$10; recall 9 57 p. m.; overheated stove; extinguish'rs 9 Engine Co.
Thursd.	31 453	10 59	.....	208 Mount street.	Henry Weeks.	Dwelling.	.....	Three-story brick	Loss \$950; recall 9 56 p. m.; overheated stove; extinguish'rs 1 Engine Co.
								Three-story brick	Loss \$112; recall 11. 18 a. m.; candles set fire to christmas tree; extinguishers 8 and 13 Engine Cos.

Total Fires and Alarms for year 1885 282
Total Telephone Alarms and Silent Fires.... .. 192

LOCATION OF COMPANIES

AND

COMPANIES' ROLLS.

ENGINE COMPANY No. 1.

Located on Paca Street, North of Fayette Street.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Chas. E. Freeburger....	38	Engineman...	10 years..	29 Pearl street.	Machinist.
Thos. H. Meushaw.....	29	Ass't Eng'n....	1 " "	11 Pearl street.....	Machinist.
Lewis J. Fresh.....	42	Driver.....	14 " "	25 Pearl street.....	Carpenter.
John H. Morgan	35	Fireman	13 " "	55 Pearl street.....	Paperhanger.
Frederick Dunn	31	"	2 " "	23 Pearl street.....	Laborer.
<i>Members at Call.</i>					
Jacob H. Hayward.....	62	Captain.....	23 " "	202 W. Fayette street.	Painter.
Edward R. Addison....	38	Fireman.	11 " "	77 Amity street.....	Machinist.
John J. Flynn.....	34	"	7 " "	511 Saratoga street....	Stonecutter.
John J. Robinson.	32	"	2 " "	126 Myrtle avenue...	Carpenter.
Chas. Minton.....	32	"	6 " "	6 Jasper street.	Cigarmaker.
George W. Smith.	34	"	5 " "	103 S. Poppleton st....	Bricklayer.
John H. Osing..	37	"	1 " "	2 Pearl street.....	Tinner.

Occupation.

ENGINE COMPANY No. 2.

Located on Barre Street, West of Sharp Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Thos. E. Wheatley.....	45	Engineman	17 years..	189 Lee street.....	Machinist.
Samuel W. Stansbury..	34	Ass't Eng'n.....	10 " ..	136 Hanover street....	Machinist.
John W. Reed.....	38	Driver.	17 " ..	81 Barre street.....	Carpenter.
Charles Grund... ..	41	Fireman.....	3 " ..	96 S. Sharp street.....	Boxmaker.
Alfred Squires.....	43	"	12 " ..	442 Cross street.....	Carpenter.
<i>Members at Call.</i>					
Jacob Hines.....	60	Captain.....	17 " ..	318 W. Lombard st..	Chairmaker.
Thomas S. Rodenhi....	49	Fireman.....	26 " ..	128 S. Howard street.	Chairmaker.
Charles Romoser.....	48	"	16 " ..	168 S. Sharp street..	Gasfitter.
James Humes.....	42	"	17 " ..	156 S. Sharp street	Glasscutter.
Charles Causey.....	32	"	8 " ..	53 Henrietta street....	Cannaker.
John J. Leddon.	35	"	8 " ..	6 Ramsay street.....	Clerk.
Henry Ryan.....	26	"	1 " ..	75 York street.....	Laborer.

Occupation.

ENGINE COMPANY No. 3.

Located on East Lombard Street, near High Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Thos. H. Humphreys...	42	Engineman ...	13 years...	39 S. Exeter street....	Machinist.
Patrick F. Moriarty...	35	Ass't Eng'n. .	11 "	42 E. Lombard street	Machinist.
John F. Pierce.. ..	42	Driver.	10 "	4 N. Exeter street....	Baker.
George C. Hodges.....	42	Fireman.....	3 "	7 S. Central avenue...	Painter.
William F. Dauterick..	28	"	2 "	4 N. Exeter street.....	Driver.
<i>Members at Call.</i>					
Richard A. Lindsay....	42	Captain.....	13 "	117 E. Pratt street....	Paperhanger.
James L. Lindsay.....	44	Fireman.	7 "	73 S. Exeter street....	Paperhanger.
Allen Orem	35	"	4 "	36 E. Lombard street.	Painter.
William H. Hartman..	27	"	3 "	1 Trinity street.....	Plumber.
Martin Kirby	41	"	3 "	81 S. Register street..	Trunkmaker.
William F. Pasterfield	31	"	4 "	113 E. Lombard street	Plumber.
John R. Battee.....	35	"	12 "	166 E. Lombard street	Bricklayer.

Occupation.

ENGINE COMPANY No. 4

Located on Lexington Street, West of North Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Frank K. Conway.....	34	Engineman...	13 years..	45 N. Front street....	Machinist.
John Gaffney.....	30	Ass't Eng'n...	9 " "	91 N. Paca street....	Machinist.
Andrew J. Connelly....	30	Driver.....	7 " "	103 Pearl street.....	Driver.
Fielding H. Lucas.....	34	Fireman.....	5 " "	41 E. Chase street . .	Type Moulder.
Constant Seibert.....	34	"	4 " "	1 Laurel street.	Hostler.
<i>Members at Call.</i>					
George W. Horton.....	40	Captain.....	23 " "	166 N. Exeter street..	Wireworker.
George W. Bentz.....	45	Fireman..	17 " "	66 N. Eutaw street...	Mes. to B'd of Com.
James Allen.....	39	"	13 " "	200 Barre street.....	Printer.
Earnest Schultz.....	33	"	8 " "	31 Holland street.....	Tinner.
James H. Dailey..	33	"	5 " "	74 Watson court.. ...	Stonecutter.
Wilmer West.	42	"	16 " "	174 N. High street....	Tinner.
James Burke.	34	"	2 " "	54 Ensor street..	Morocco Finisher.

Occupation.

ENGINE COMPANY No. 5.

Located on Ann Street, near Gough Street.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Frederick L. Nelson....	38	Engineman...	11 years...	145 S. Ann street.....	Machinist.
John Lindemann.....	38	Ass't Eng'n...	5 " "	192 S. Ann street.....	Machinist.
Henry Murphy.....	34	Driver.....	6 " "	144 Gough street.	Sugar-refiner.
William B. Baker.....	28	Fireman.....	4 " "	65 S. Ann street.....	Brass Finisher.
William M. Burns	30	"	5 " "	131 S. Ann street.....	Cannaker.
<i>Members at Call.</i>					
William G. Miller.....	62	Captain.	17 " "	97 Gough street.....	Carpenter.
James Peacock.....	62	Fireman.....	22 " "	113 S. Wolfe street....	Carpenter.
James Reilly... ..	33	"	6 " "	220 E. Lombard st.....	Painter.
Julius O. Krauch... ..	50	"	13 " "	147 Gough street.....	Tinner.
William T. Disney.....	36	"	11 " "	109 S. Ann street.....	Bricklayer.
Benjamin Price... ..	41	"	6 " "	65 S. Bond street.	Coffee Roaster.
Charles E. DeWitt.....	35	"	1 " "	12 S. Ann street.....	Carpenter.

Occupation.

ENGINE COMPANY No. 6.

Located at the Intersection of Gay and Ensor Streets.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Matthew Mulligan.....	48	Engineman....	15 years.	107 E. Eager street....	Machinist.
Cornelius P. Kuhan...	40	Ass't Eng'n....	6 "	55 Harford avenue....	Machinist.
John Clark.....	32	Driver.....	1 "	73 N. Front street....	Hostler.
J. Oscar Healey	50	Fireman	25 "	180 E. Monument st..	Carpenter.
Lawrence Blake.....	40	"	14 "	8 Thompson street....	Painter.
<i>Members at Call.</i>					
Bernard Shaw.....	54	Captain.....	10 "	142 N. Exeter street..	Stonecutter.
George Mineburg.	43	Fireman	14 "	24 N. Central avenue.	Barber.
James Gallagher	36	"	5 "	48 N. Exeter street...	Plumber.
Francis D. Kerr.....	45	"	17 "	229 N. Caroline street.	Rigger.
William Gordon.....	33	"	4 "	34 Jefferson street....	Stonecutter.
Charles Betz.....	32	"	1 "	11 Orleans street.....	Boot & Shoemaker.

Occupation.

ENGINE COMPANY No. 7.

Located on Eutaw Street, Corner of Druid Hill Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employers.</i>					
John J. McCoy.....	44	Engineman	12 years.	106 N. Arlington ave.	Machinist.
Jacob S. Corns.....	33	Ass't Eng'n	6 "	175 N. Eutaw street..	Machinist.
Francis Hart.....	36	Driver	2 mos.	232 Preston street....	Hostler.
William F. Morrow. .	36	Fireman	8 years.	190 N. Eutaw street..	Painter.
Joseph Lavender.....	40	"	13 "	79 Pearl street.	Carpenter.
<i>Members at Call.</i>					
George H. Houck.	57	Captain.....	24 "	209 N. Eutaw street..	Railroad Agent.
John Gildea.....	59	Fireman.....	26 "	316 N. Eutaw street..	Driver.
J. F. Cook.....	29	"	8 "	269 Argyle avenue.	Carpenter.
Henry Walker.....	38	"	12 "	58 N. Carrollton ave.	Painter.
Louis Scheive	33	"	13 "	9 New street.....	Paperhanger.
Sam'l A. Seymour.....	25	"	1 mo.	24 McHenry street....	Cannemaker.

Occupation.

ENGINE COMPANY No. 8.

Located on Mulberry Street, East of Oregon Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Michael F. Walsh.....	34	Engineman ...	11 years.	524 Lexington street.	Machinist.
John Conway.....	30	Ass't Eng'n ..	3 "	81 Arlington avenue.	Machinist.
William J. Stewart....	35	Driver.....	11 "	82 Arlington avenue.	Tinner.
G. R. Chapman.....	53	Fireman.....	14 "	371 Mulberry street..	Shoemaker.
<i>Members at Call.</i>					
<i>Occupation.</i>					
Edward C. Keyser.....	35	Captain.....	9 "	309 Argyle avenue....	Canmaker.
A. J. Walter.....	48	Fireman.	14 "	587 Saratoga street..	Cigarmaker.
Owen D. Burgess,	48	"	14 "	493 Lexington street.	Silverplater.
Frederick Johnston....	42	"	10 "	414 Mulberry street .	Carpenter.
Howard Scott.....	32	"	6 "	412 Mulberry street..	Bricklayer.
Lewis Cook	30	"	4 "	218 Pierce street.....	Stonecutter.
Charles Airey	34	"	1 "	102 Saratoga street ..	Cigarmaker.

ENGINE COMPANY No. 9.

Located on Madison Street, East of Broadway.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Daniel R. Rogers.....	39	Engineman...	14 years.	360 E. Madison street.	Machinist.
William H. Stanton.....	37	Ass't Eng'n...	8 "	269 N. Broadway.....	Machinist.
Joseph P. Kelly.....	42	Driver.....	3 "	91 Albemarle street..	Hostler.
James McDevitt.....	43	Fireman.....	14 "	364 E. Madison street.	Harnessmaker.
Charles C. Neilson....	32	"	7 "	416 E. Madison street.	Bricklayer.
<i>Members at Call.</i>					
David H. Macaulay....	59	Captain.....	25 "	291 N. Eden street....	Painter.
Solomon Uhlfelder....	42	Fireman.....	14 "	403 E. Madison street.	Huckster.
Charles Fry.....	33	"	9 "	395 E. Madison street.	Huckster.
Lemuel Piercey.....	29	"	5 "	38 Millman street....	Laborer.
William E. Burrier....	33	"	5 "	373 E. Madison street.	Laborer.
John H. Cruse.....	53	"	6 "	121 Ensor street.....	Cigarmaker.

Occupation.

ENGINE COMPANY No. 10.

Located on Columbia Avenue, near Poppleton Street.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
John W. Walsh.....	36	Engineman...	9 years.	588 West Pratt street.	Machinist.
James Nugent.....	29	Ass't Eng'n..	2 "	134 S. Poppleton st....	Machinist.
George W. Thorppe....	35	Driver..	6 "	243 Lemmon street...	Hostler.
Jesse G. Keilholtz.....	40	Fireman.....	12 "	382 W. Lombard st....	Mantel Setter.
<i>Members at Call.</i>					
William R. Ward.....	41	Captain.	12 "	41 S. Calloun street..	Carpenter.
Benjamin F. Seipp....	32	Fireman..	5 "	126 McHenry street..	Plumber.
William Brady.....	31	"	3 "	134 Ramsay street....	Cigarmaker.
D. C. Weaver, Jr.....	38	"	5 "	461 Franklin street	Painter.
Samuel W. Marker....	35	"	5 "	3 Arlington avenue...	Carpenter.
Jacob J. Brady.....	27	"	5 mos.	157 Hollins street....	Cigarmaker.
Richard E. Disney, Jr.	26	"	1 year.	237 Lee street....	Painter.

Occupation.

ENGINE COMPANY No. 11.

Located on Eastern Avenue, Corner Patterson Park Avenue.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
John Calder.....	39	Engineman...	15 years.	256 Gough street.	Machinist.
A. M. Minniegue.....	38	Ass't Eng'n....	3 "	309 Gough street.....	Machinist.
William H. Dunn.....	34	Driver.....	1 "	120 N. Paca street....	Hostler.
Thomas Kane	35	Fireman	3 "	343 Eastern avenue...	Laborer.
<i>Members at Call.</i>					
<i>Occupation.</i>					
Andrew Perry.....	58	Captain.....	24 "	210 Gough street.....	Patternmaker.
H. R. Seippel.	36	Fireman.	11 "	137 Patterson Park av	Barber.
James D. Dannels.....	46	"	16 "	245 Bank street.....	Scroll-sawyer.
Albert H. Gier.....	31	"	7 "	249 E. Lombard st....	Painter.
Charles P. Nelson.....	43	"	9 "	95 S. Washington st..	Carpenter.
Patrick F. Bradley....	41	"	17 "	50 Fawn street.....	Carpenter.
R. V. Pittinger.	37	"	6 "	112 Collington street.	Carpenter.

ENGINE COMPANY No. 12

Located on Fort Avenue, Corner Johnson Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Michael Lycett.....	39	Engineman...	13 years.	232 Battery avenue...	Machinist.
Thomas S. Atkinson...	36	Ass't Eng'n...	5 "	159 Johnson street....	Machinist.
George D. Taylor.....	52	Driver.	17 "	36 Fort avenue.....	Driver.
Joseph W. Moon.....	35	Fireman.....	7 "	172 Battery avenue...	Laborer.
Edward C. Klessell...	33	"	4 "	162 Johnson street....	Gilder.
<i>Members at Call.</i>					
William Schulte.....	31	Captain.....	6 "	595 S. Charles street.	Carpenter.
Thomas Fitzpatrick...	48	Fireman.....	6 "	82 Cross street.....	Tinner.
Benjamin T. Wirts....	45	"	17 "	602 S. Charles street.	Collarmaker.
Henry Seebach.....	34	"	11 "	431 W. Pratt street...	Laborer.
Ernest Schulte.. ..	26	"	6 mos.	132 West street.....	Cigarmaker.
Hermon Borcharding.	37	"	6 "	120 West street	Excavator.

Occupation.

ENGINE COMPANY No. 13.

Located at the Intersection of Fremont Street and Myrtle Avenue.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
John H. Deal.....	43	Engineman ...	14 years.	278 Myrtle avenue.....	Machinist.
John A. Bannon	42	Ass't Eng'n. .	8 "	117 N. Poppleton st....	Machinist.
Thomas H. Wright.....	31	Driver.	6 mos.	459 N. Fremont.	Driver.
Julian Massieu.	27	Fireman.	9 "	164 Lanvale street... ..	Driver.
<i>Members at Call.</i>					
John Hoffman.....	38	Captain.....	9 years.	160 Druid Hill ave. ...	Canmaker.
Philip Bowen.....	34	Fireman.	8 "	170 Pennsylvania ave.	Cigarmaker.
Laurence Pistol	36	"	13 "	307 Argyle avenue..	Cigarmaker.
Wilbur Pierce.	28	"	2 "	259 Argyle avenue....	Moulder.
James Keyser.....	42	"	2 "	380 Myrtle avenue. .	China Packer.
William R. LaShorne. .	39	"	13 "	316 Argyle avenue....	Upholsterer.
Wesley S. Lilly.....	40	"	14 "	16 George street.	Carpenter.

Occupation.

HOOK AND LADDER COMPANY No. 1.

Located on Harrison Street, near Fayette Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
John R. Farr.....	37	Tillerman ...	11 years.	56 Harrison street...	Driver.
John T. Mulligan. ...	26	Driver.	2 "	4 N. Exeter street....	Driver.
George W. Haskell....	40	Ladderman...	9 "	13 Thompson street..	Carpenter.
John B. Keene.....	46	" ..	20 "	287 N. Eden street. ..	Carpenter.
Thomas B. Strahan ..	38	" ..	5 "	92 N. Front street....	Currier.
Wm. E. Van Rossum...	37	" ..	1 "	174 N. Caroline street	Driver.
<i>Members at Call.</i>					
William M. Dunn.....	30	Captain.....	8 "	50 N. Front street.....	Collector.
Alex. D. Chrismer.....	39	Ladderman ...	8 "	98 N. Central avenue.	Machinist.
Fred'k Oelmann, Jr. ...	25	" ..	4 "	9 N. Front street.....	Blacksmith.
Albert Ramia	33	" ..	2 "	8 Water street.	Restaurant.
Wm. R. E. L. Mears....	25	" ..	2 "	22 W. Fayette street..	Undertaker.
G. Albert Cassidy	24	" ..	2 "	39 N. Front street....	Machinist.

Occupation.

HOOK AND LADDER COMPANY No. 2.

Located on Paca Street, near Fayette Street.

NAMES.	AGE	POSITION.	TIME IN SERVICE	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Charles Rolf.....	30	Tillerman ...	7 years.	38 N. Pearl street....	Boxmaker.
Thomas Montgomery..	44	Driver.	"	27 N. Paca street	Driver.
John W. Blake.	49	Ladderman ...	15	Cor. Paca and German	Machinist.
William White.....	40	" ..	17	1 Myrtle avenue. ...	Carpenter.
William H. Quigley....	30	" ..	6	36 Pine street.....	Carpenter.
Chas. C. Eichelberger..	37	" ...	11	40 Pine street.....	Painter.
<i>Members at Call.</i>					
Frederick A. Marston..	46	Captain.....	15	117 Townsend street..	Painter.
Thomas Wagner	43	Ladderman ...	17	6 Diamond street	Blacksmith.
Frederick Brannan ...	36	" ..	6	137 N. Eutaw street..	Harnessmaker.
Thomas Strahler	26	" ..	4	25 E. Monument st....	Tinner.
William H. Riley.....	39	" ..	3	215 Lanvale street....	Painter.
John Wohlleber.....	32	" ..	1	2 Sarah Ann street...	Plumber.

Occupation.

HOOK AND LADDER COMPANY No. 3.

Located on South Ann Street, near Gough Street.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
Louis Laux	29	Tillerman.....	6 years.	299 Orleans street.....	Confectioner.
Chas. C. Schoepplien..	31	Driver	5 "	77 S. Durham street.	Upholsterer.
John M. Downs.....	37	Ladderman	15 "	325 Orleans street....	Painter.
William Baker.	28	"	5 "	126 S. Ann street.....	Laborer.
Andrew German.....	36	"	14 "	14 S. Bond street.....	Painter.
John McClellan.....	51	"	15 "	282 E. Pratt street....	Sailmaker.
<i>Members at Call.</i>					
George W. Foxwell....	38	Captain.....	15 "	112 Bank street....	Shipwright.
Jesse Vickers	52	Ladderman ...	11 "	51 S. Ann street.....	Painter.
John A. Sauers.....	37	"	6 "	47 S. Bethel street....	Cooper.
T. Benjamin Levey. .	31	"	9 mos.	83 N. Chappel street..	Painter.
George Little.....	43	"	8 "	239 N. Wolfe street..	Painter.
Joshua H. Miller.....	29	"	2 "	45 Jackson street.....	Cigarmaker.

Occupation.

HOOK AND LADDER COMPANY No. 4.

Located on West Biddle Street, near Druid Hill Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION
<i>Permanent Employees.</i>					
James Gill.	39	Tillerman....	6 years.	29 Brune street....	Moulder.
John E. Kirby..	23	Driver.	1 "	353 Columbia avenue	Driver.
John G. Gill.....	55	Ladderman ...	26 "	202 W. Fayette street.	Painter.
John J. Houck.....	35	"	6 "	265 W. Biddle street	Machinist.
Charles H. Baker.....	33	"	6 "	59 Pine street.	Scalemaker.
Joseph A. Knell.....	37	"	2 "	247 W. Biddle street..	Barber.
<i>Members at Call.</i>					
<i>Occupation.</i>					
James Kelly.....	34	Captain.....	6 "	309 Argyle avenue....	Plasterer.
Andrew Bilson... ..	34	Ladderman ...	5 "	315 Argyle avenue....	Plasterer.
George W. Allen	42	"	2 "	267 W. Biddle street..	Painter.
August Emerick.....	23	"	2 "	364 Myrtle avenue. ...	Coal Dealer.
Patrick Burns.....	35	"	2 "	31 Somerset street....	Laborer.
Thomas H. Reip..	36	"	5 "	232 Franklin street...	Tinner.

R E P O R T .

OF THE

SUPERINTENDENT

Police and Fire Alarm Telegraph.

REPORT.

BALTIMORE, January 1, 1886.

To the Honorable Board of Fire Commissioners:

GENTLEMEN :

I herewith submit my report of the alterations, extensions and improvements in this department during the year 1885.

It is exceedingly gratifying to report we have passed through another year without any other trouble or damage than every telegraph line is subject to, there being no serious lose to either wires or machinery.

The following statement shows the work done in the lineman's department each month :

January—Boxes 418, 517, 712, 126, 128, 157, 174, 246, 258, 317 and 322 speeded up to correspond with the running time of boxes already in service.

Replaced several spans of wire on Water Board line that had become corroded and worthless.

Raised all wires on Davis street in rear of No. 4 Engine Company to clear derrick used in raising stone on the new post-office.

Put new cross arms corner Hillen and Front streets in place of broken one. Fixed up wires on Central avenue near John street that had been broken.

February—Changed box 31 to new pole that had been put up by the Washington Telephone Company.

March—Changed box 41 to new pole put up by the Washington Telephone Company. Extended circuit 20 from No. 11 Engine House to Bayview Asylum, and put fire alarm box 19 in service. Changed thirty-five (35) poles from south to north side of the road, to get away from the heavy line of Baltimore and Ohio telegraph wires that so interfered with the working of the telephone line as to render it almost unserviceable; also put up thirteen new poles and changed wires to them.

April—Took old pole down corner Fremont and Lexington streets, and changed box 424 to new pole put up by Washington Telephone Company. Put gong in Assistant Lineman Nugent's house on independent circuit; had all lightning arrestors in the cellar cleaned and replaced; fixed up all wires at Fayette-street bridge that were broken by derrick falling over them.

Run independent and telephone circuits to Lineman Kain's residence, 412 north Calhoun street; cut down two (2) rotten poles on Pennsylvania avenue, between Smith street and the Lafayette Market, and transferred our wires to the poles of the Northern Central Railroad Company; put up three (3) thirty-five (35) foot poles on Gilmor street near Mulberry, and one (1) thirty-five (35) foot pole on Mulberry street near Gilmor. Said poles

were furnished by Baltimore and Ohio Telegraph for privilege of using same.

May—Put up one (1) forty-five (45) foot pole on corner High and Low streets, and put box on new pole; old pole in way of sewer. Put up three (3) thirty-five (35) foot poles on Albemarle street, between Eastern avenue and Stiles street, for new box. Put up four (4) thirty-five (35) foot poles on Eden street, between Eastern avenue and Aliceanna street, for new box. Put up one (1) thirty-five (35) foot pole at Harris street bridge for new box. Put up three (3) thirty-five (35) foot poles on Concord street for new box. Put up four (4) thirty-five (35) foot poles on Fort avenue, between Light and Charles streets, for new box. Put up four (4) thirty-five (35) foot poles on Henrietta street, between Leadenhall and Charles streets, for new box. Put up one (1) forty-five (45) foot pole on corner Charles and Barre streets, for new box. Put up one (1) thirty-five (35) foot pole corner Aisquith and Gay streets, for new box. Put up four (4) thirty-five (35) and one (1) forty (40) foot poles on Patterson avenue, between Gilmor and Fulton avenue, for new box. Put up two (2) thirty-five (35) foot poles on Saratoga street, between Paca and Greene streets, for new box. Put up two (2) forty-five (45) foot poles on Bath street, between Holiday and Davis streets, for new box. Put up six (6) thirty-five (35) foot poles on Wyeth streets, between Columbia avenue and Cross street, for new box. Put up five (5) thirty-five (35) foot poles on Forrest street, commencing at Madison, and one (1) forty (40) foot pole and one (1) thirty-five (35) foot pole on Eager street; also one (1) forty (40) foot pole on Forrest street, near Eager street.

One (1) fifty (50) foot pole, one (1) forty-five (45) foot pole and three (3) forty (40) foot poles on Greenmount avenue, between Biddle and Preston streets. One (1) forty (40) foot pole on Preston street, near Greenmount avenue. Two (2) thirty-five (35) foot poles on Forrest street, near Biddle street. One (1) thirty-five (35) foot pole on Preston street, near North street, and one (1) thirty-five (35) foot pole on Biddle street, and changed all wires; moved box to southwest corner. Put up five (5) thirty-five (35) foot poles, one (1) forty (40) foot pole, and one (1) forty-five (45) foot pole on Columbia avenue, between Fremont and Paca streets, and changed wires to new poles. Run new wires and connected boxes in service, as follows: Fort avenue and Charles street, Charles and Henrietta streets, Wyeth and Cross streets, Saratoga and Eutaw streets, Patterson avenue and Fulton streets. Put telephone on Marine Hospital Line at residence of Mr. Chairs, Walker's Pavilion. Changed wires at Northwestern Police Station to new fixtures. Run wires to following new boxes: Howard and Madison streets, Aisquith and Gay streets, Harris Street Bridge, and connected them in service. Moved box corner Baltimore street and Frederick road to new pole furnished by Telephone Company, and raised our wires over all others. Guyed a large number of poles.

June—Moved pole on Boundary avenue near St. Paul street in way of new church. Put up seven (7) fifty (50) foot poles on German street, between Howard and Paca streets, and changed all wires; also changed box corner Howard and German streets to new pole. Moved box corner Eutaw and Baltimore streets from wall of

drug store to pole, and run new wires. Put up one (1) fifty (50) foot pole on German street near South. Put up two (2) forty (40) foot poles on Charles street, between German and Lombard streets, and changed wires. Put up three (3) fifty (50), one (1) forty-five (45), and two (2) forty (40) foot poles on Lafayette avenue. Also put up seven (7) thirty-five (35) foot poles on Lafayette avenue, between Fremont and Gilmore streets, and changed route of line from the alley below Townsend street, and from the housetops to the new poles. Put up two (2) forty (40) foot poles on Fulton and Fayette streets. Put up two (2) forty-five (45) and five (5) forty (40) foot poles on Gilmore street, between Baltimore and Pratt streets. Put up one (1) forty (40) foot pole corner Raborg and Pine streets. Put up six (6) thirty-five (35) foot poles on Preston street, between Druid Hill and Pennsylvania avenues. Put up nine (9) forty-five (45) foot poles on Thames street; one (1) forty-five (45) foot pole on Ann street near Thames, and one (1) forty (40) foot pole on Block street near Caroline. Put up one (1) fifty (50), one (1) forty-five (45), two (2) forty (40) and three (3) thirty-five (35) foot poles on Fort road near Baltimore and Ohio Railroad crossing. Put up three (3) forty (40) and one (1) thirty-five (35) foot pole on Gay street, between Preston and Ann streets. Put up two (2) forty-five (45), four (4) forty (40), and five (5) thirty-five (35) foot poles on Belair road near railroad crossing. Put up one (1) forty (40) foot pole on Eutaw street near Camden. Put up four (4) forty (40) and five (5) thirty-five (35) foot poles on Morton alley, between Hoffman and Eager streets. Put up one (1) forty (40) foot pole corner New and Jasper streets. Put up two

(2) forty (40) foot poles on Raborg street near Green. Moved pole corner Gilmor street and Lafayette avenue in way of new building. Changed wires to stable on Lovegrove alley and took pole down; wires in way of new building. Changed boxes corner Caroline and Thames streets and Broadway and Thames streets to new poles, and changed wires all along Thames street.

July—Put up (1) forty (40) foot pole corner Lombard and Central avenue, and changed wires. Put up one (1) forty (40) foot pole on Caroline street near Pratt, and changed all wires. Put up two (2) thirty-five (35) foot poles on Chesapeake street near Elliott; took slack out and straightened up all wires; changed all wires along Elliott street. Put up one (1) thirty-five (35) foot pole on Monument street near Castle, and changed wires. Put up four (4) thirty-five (35) foot poles on Mullikin street, between Central avenue and Aisquith street, and changed wires from south to north side of street, as per resolution of councils. Put up one (1) fifty (50), one (1) forty-five (45) and eight (8) forty (40) foot poles on Fremont street, between Pratt and Fayette street, and changed wires. Put up one (1) forty-five (45) and two (2) forty 40 foot poles on Plover alley and Madison street, and on Morton alley, between Read and Eager streets, and changed wires. Moved fifty (50) foot pole corner Ensor and East streets that was in way of sewer. Changed wires corner Chesnut and Fayette streets to new pole put up by Brush Electric Light Company. Changed wires corner Lombard and Exeter streets to new pole furnished by Brush Electric Light Company. Put up new pole corner Vincent alley and Baltimore street in

place of one washed away by freshet; straightened up wires through Rice street. Raised wires on Fremont street and placed them on new poles put up by Washington Telephone Company. Reset pole on Carey street, near Franklin, that had become rotten at base. Changed water board line from rear to front of building on North street. Moved gong and telephone at Southwestern Police Station. Painted fixtures on City Hall, Odd Fellows' Hall and Middle Police Station. Raised wires at Fayette-street bridge in way of derrick. Changed wires from poles and housetops on Rice street, between Gilmor and Fremont streets, to new line of poles on Lafayette avenue. Moved box from corner Arlington and Lafayette avenues to corner Carrollton and Lafayette avenues. Changed box from side of house to poll on corner of Lanvale and Stricker streets. Run independent circuit down Fremont street, from Rice street to No. 8 Engine house. Raised all wires on Fremont street to clear trees. Changed wires and moved box to northeast corner of Fulton and Fayette streets. Changed wires along Gilmor street to new poles, and trimmed trees. Changed wires along Preston street and along Morton alley. Changed box corner Morton alley and Eager street to new pole. Changed wires along Fort road to new poles. Changed wires on Eutaw street near Camden to new poles, and raised our wires over all others. Changed wires to new poles corner Raborg and Greene streets; on Raborg street above Greene, and South and German streets. Straightened wires along Fayette street, near the bridge, that were torn down by derrick. Trimmed trees along Gay street. Straightened box poll corner

Bank and Washington streets. Took slack out and straightened wires of box poll at Drawbridge. Fixed up wires of water board line at Oliver and Read streets. Took out slack and replaced number of glass insulators. Run new covered wire in a number of boxes and guyed large number of poles.

August—Moved pole corner King and Penn streets, in way of sewer. Put gong in Brush Electric Light works, on No. 3 alarm circuit. Moved box corner Mount Royal and Boundary avenues, to Boundary avenue and McMechin street. Put up one (1) fifty (50) and one (1) forty-five (45) foot pole corner Charles street and Boundary avenue; changed box to new pole and trimmed trees. Changed box on pole at Bayview Asylum and painted same. Painted poles as follows: fifteen (15) on Lafayette avenue, between Fremont and Gilmor streets; two (2) on Stricker street, between Lanvale street and Lafayette avenue; five (5) on Fremont street, between Lanvale street and No. 13 Engine House; one (1) on Franklin and Greene streets; two (2) on Franklin and Pearl streets; one (1) on Madison and St. Paul streets; two (2) corner Howard and Madison streets; two (2) corner Howard and Franklin streets; five (5) on Saratoga street, between Paca and Pearl streets; one (1) on Hanover and Baltimore streets; three (3) on German street, between Calvert and South streets; five (5) on Preston street, between St. Paul street and Morton alley; nine (9) on McMechin street, between Park and Madison avenues; two (2) on Bolton street, between Mosher and McMechin streets; one (1) corner Charles street and Boundary avenue; two (2) on

Eager street, between Forrest street and the bridge. Had all the fire alarm boxes in the city painted. Straightened large number of poles, and took slack out of wires in different parts of the city. Moved pole on Fort road, in way of awning. Straightened pole and put on guy wire, at corner Madison and Forrest streets. Took slack out of wires on Forrest and Eager streets. Took slack out of wires at No. 3 Engine House. Took slack out of wires corner Pratt and Bond streets. Took slack out of wires at No. 5 Engine House, and re-run the wires. Took slack out of wires at Ann and Washington streets, and at Dr. Humphrey's house. Put new pipe at box 326, and straightened pole. Straightened and guyed pole at box 39. Straightened up wires and put new cross arms on pole corner Lombard street and Callender alley. Fixed pipe on pole at box 462. Took slack out of wires on McHenry and Monroe streets. Fixed up wires at Pratt and Paca streets, and Lombard and Charles streets. Put new pipe at box 28. Fixed up wires at Fremont and Raborg streets, also along John street near Hoffman, and guyed poles. Straightened up wires along Lovegrove alley, near Bidle street. Moved all instruments at No. 6 Engine House, and run new wires in number of alarm boxes in place of old wire—the insulation had become rotten and defective. Trimmed trees in different places that interfered with proper working of our lines.

October—Fixed up wires at Fire Inspector Holloway's office on South street.

November—Run wires in Eastern Police Station in pipes. Changed telephone and gong at Northeastern

Police Station. Moved pole corner Broadway and Preston street, in way of new building. Took gong from captain Lindsay's house on account of removal. Put gong in Dr. Pennington's house, West Fayette street, near Carrollton avenue. Changed gong to Mr. Mears' residence on Fayette street, near Gay street. Had all kite-tails burned off wire throughtout city, and bills cleaned off poles on all the principal streets.

A great deal of repair work was done during the year, of which no special mention was made, on account of the small quantity of material used for the purpose.

MATERIAL ON HAND IN THE LINEMAN'S DEPARTMENT.

- 4 six-wire cross-arms.
- 8 four-wire cross-arms.
- 4 coils No. 9 galvanized wire.
- 3 coils No. 10 galvanized wire.
- 200 pounds old wire.
- 350 glass insulators, old.
- 70 bolts and washers.
- 8 shovels, old.
- 3 digging irons, old.
- 1 wire reel.
- 1 small pole wagon.
- 1 twenty-foot ladder.
- 1 kite-tail burner, with attachments.
- 6 pike poles.
- 2 saws, old.
- 2 monkey wrenches.
- 8 old drawing knives.

1 three-inch augur.
3 chisels.
1 large vise.
1 grindstone.
3 pairs plyers.
1 pair gas plyers.
1 ratchet brace.
25 bitts.
1 paper cutter.
2 cant hooks.
3 screw drivers.
Lot of old material hardly worth mentioning

MATERIAL NECESSARY IN LINEMAN'S DEPARTMENT
FOR 1886.

150 telegraph poles, different sizes.
200 four-wire cross-arms.
150 two-wire cross-arms.
40 T arms.
10 coils No. 9 galvanized wire.
100 feet half-inch gas pipe, for boxes.
25 blackboards.
 $\frac{1}{2}$ pint porpoise oil.
2 cold chisels.
200 feet small rope.
5 coils No. 10 galvanized wire.
1 coil covered wire.
1,000 feet of Kerite wire.
20 pounds of No. 16 copper wire for office use.
60 pounds No. 14 copper wire (plain).
100 brackets.

600 glass insulators.
100 rubber hook insulators.
1 long chisel.
1 pair plyers.
2 axes.
6 shovels.
 $\frac{1}{2}$ dozen rolls gum tape.
100 kleets for office.
 $\frac{1}{2}$ dozen gimlets.
600 bolts and washers.
50 six-wire cross arms.
100 pounds of nails.
2 gross screws.
300 staples for box pipe.
2 pounds small staples.
2 vise straps.
20 small springs for gongs.
1 saw.
 $\frac{1}{2}$ dozen files.
6 pike poles.
2 digging irons.

Battery Department—Material on Hand.

8 barrels of blue stone.
500 zincs.
500 coppers.
70 cells prism Leclanche battery.
90 glass jars.
1 scale.
1 scoop "copper."
933 cells of gravity battery in use.
129 cells prism Leclanche battery in use.

Battery Material Necessary for 1886.

35 barrels of blue stone.
2,500 zincs.
1,500 coppers.
100 cells prism Leclanche, complete.

Central Station, "City Hall," Machinery and Instruments on hand.

16 large trip gong, "in use."
10 second size trip gongs, "in use."
45 call gongs, "in use."
1 three dial repeater.
2 ten-circuit automatic repeaters.
1 switch board.
30 galvanometers.
3 lightning arrestors.
26 call gongs on fire circuit.
25 relay magnets.
5 local registers.
28 testing keys.
2 old dial boxes.
5 Morse magnets.
3 independent circuit magnets.
2 galvanometers and one resistance box.
1 map of city of Baltimore.
1 bell striker.
1 clock, "regulator."
1 gong on police circuit.

MATERIAL NECESSARY FOR CENTRAL STATION FOR 1886.

- 2 office diaries.
- 50 rolls register paper.
- 3,000 sheets of department paper.
- 3,000 department envelopes.
- 3 screw drivers.
- 6 single plugs for battery.
- 50 sheets fine emery cloth.

CONDITION OF LINES.

During the year we have put the lines in as perfect condition as the amount appropriated for that purpose would allow. Slack has been taken out of all wires throughout the city. Kite-tails, rags, sticks and other rubbish burnt off, poles have been straightened, boxes all painted, new poles substituted for old, &c. In a number of places we have put in taller poles than those formerly in use, which carries our wires over most of the wires belonging to other companies, and relieves us greatly of trouble caused by their wires continually breaking and falling on ours during sleet and wind storms.

PAINTING OF POLES.

The poles on some of our most prominent thoroughfares have been painted, and they present a very neat and clean appearance, greatly relieving them of their unsightliness; and I certainly must recommend that an appropriation be made to paint the city poles on all the main streets. Private corporations are expected to

paint their telegraph poles, and it should be the duty of the city to follow their example, and make the poles as unobjectionable to our citizens as possible.

EXTENT OF LINES.

The lines of this department have been extended about twenty (20) miles during the past year, giving us at this time about four hundred and twenty (420) miles of wire strung on over two thousand poles. We have, in addition, the lines connected with the Water Department, House of Correction, Marine Hospital, Police Patrol and Bayview Asylum.

CABLING OF WIRES.

The wires running from the fixtures on the City Hall through the ventilator to the cellar, and thence to the fire alarm office, are in very bad condition, causing frequent trouble. To remedy this the wires should be cabled between points mentioned.

STRIKING APPARATUS FOR BIG SAM.

For several years past attention has been called to the unreliable condition of the striking apparatus for the bell in the dome of the City Hall. Our fire department being only partly paid, the extra or call men must rely on the bells of the department to notify them of fire and locate the same. A large number of the members live or work in the centre of the city, and depend on Big Sam for the correct alarms of fire; and as the company cannot perform the important duty devolving upon it in time of fire until the arrival of

its members upon the fire ground, the importance of having this bell in good striking condition is apparent.

At least one-fourth of the year this machinery is out of order and the bell not striking. The present machinery is unfit for the purpose for which it was intended, and I again recommend its renewal, believing that the saving in repairs will more than pay the cost in a few years.

FIRE ALARM BOXES.

During the past year, fire alarm boxes have been placed at the following points, as per resolution of the Council :

Stiles and Albemarle streets.

Aliceanna street and Central avenue.

Boston and Concord streets.

Boston street and Harris creek.

Aisquith and Gay streets.

Howard and Madison streets.

Fulton and Patterson avenues.

Cross street, at intersection of Wyeth street.

Charles and Henrietta streets.

Fort avenue and Hull street.

Hudson and Chesapeake streets.

Bayview Asylum.

Bath and Holliday streets.

Eutaw and Saratoga streets.

Charles and Barre streets.

Charles street and Fort avenue.

Making a total of one hundred and ninety (190) boxes now in service.

The rapid growth of our city, especially in the northern, northeastern and northwestern sections, demand that some protection should be guaranteed our citizens living in those sections, by placing alarm boxes at such points as may be deemed best to summon the fire department during time of fire. It is with this fact in view that the following recommendations for boxes is made :

Camden and Sharp streets.
Hanover and Pratt streets.
Front and Buren streets.
Calvert and Eager streets.
Columbia avenue and Wooster street.
Fulton avenue and Townsend street.
John and Lanvale streets.
Mosher and Division streets.
Baltimore and Payson streets.
North and Hoffman streets.
Calvert and Lanvale streets.
Oliver and Mosher streets.
Druid Hill avenue and Presstman street.
Bolton and Laurens streets.
Park avenue and Preston street.
St. Paul and Centre streets.
Myrtle avenue and Lanvale street.

PROTECTION OF HUMAN LIFE.

I cannot let this opportunity pass without again calling attention to the recommendations made in my annual reports for several years past that some action should be taken to protect human life in case of fire in

the public schools, places of amusement, large factories, orphan asylums, &c.

The public schools are directly under the control of the city authorities, and are attended by over forty thousand (40,000) children of our citizens. A fire in one of these buildings during school hours would most likely result in a panic and consequent loss of life, or the maiming or crippling of a number of children. To prevent such an accident, and to place all the safeguards known around them, is a matter that should be thoroughly considered by our representatives in the Council. No greater protection could be given than the placing of a fire alarm box in each of the school-buildings, which would only be used in case of fire in that particular building. The department, knowing this fact, would go direct to the school, and in two (2) or three (3) minutes every stairway and window would be guarded by men of experience and courage. Several fires have occurred in our schools within the past year or two, but they have luckily been extinguished without causing great excitement. This proves that we are liable to an accident of the kind mentioned, and every precaution should be taken to prevent it.

The entire cost of this improvement would not exceed thirteen thousand (\$13,000) dollars to introduce, and could be maintained for about five hundred (\$500) dollars per annum. In my judgment this would be money well expended.

PROTECTION OF ALARM BOXES AND MACHINERY.

During the year we put in service lightning dynamo arrestors to protect all the alarm boxes, each of the

circuits entering the main office in the City Hall, the gongs and instruments in the houses of the officers of the fire department, and each circuit going to the engine houses and police stations.

While we have not had any trouble from electric light wires or other causes, I feel satisfied they will thoroughly protect the machinery, should such an accident occur.

UNDERGROUND TELEGRAPH WIRES.

The remarkable increase in Telegraph, Telephone and Electric Light wires during the past few years, renders it imperative in my judgment that some action should be taken by the Mayor and City Council to guard against the dangers arising therefrom.

The perfect network of wires, and the lines of unsightly poles that now run on each side of all the streets leading to the business centre of our city have become not only a nuisance, but give great cause for alarm in time of fire, when it is almost impossible to reach any building over two stories in height, without meeting an almost insurmountable barrier of wires which greatly delay and impede the work of our firemen.

This question has been considered in all its phases, and the only sure and safe remedy is to compel all wires to be laid underground.

As has been stated in my previous reports the question of practicability will be raised by the companies to be affected by such a law, but the experience of European cities, that have had the underground system in

use for years, where it has given entire satisfaction, together with that of some of the cities in the United States, where it is in operation at present, virtually settles that point.

Acting upon instructions from his honor the Mayor, I visited the cities of Washington, Philadelphia and Chicago, to inspect the different plans for laying wires underground, and beg leave to submit the following report:

The number of wires underground in the two former cities are limited, but those in operation were reported as giving entire satisfaction. The cable used by the Government in Washington was laid in October, 1883, and has given most excellent service to this time. There is in operation in the city of Chicago over thirty-two miles of conduits, with a capacity for thousands of miles of wire owned by the different telegraph and telephone companies.

The Western Union Telegraph has three (3) three (3) inch pipes for a distance of four and a-half ($4\frac{1}{2}$) miles, and five (5) four (4) inch pipes for an eighth ($\frac{1}{8}$) of a mile. They use No. 16 copper wire, with Kerite insulation in cable form, run through an iron pipe or conduit. These wires have been in service about one year, and are working to the satisfaction of the company, who propose laying large amount of new cable during 1886.

The Baltimore and Ohio Telegraph Company have about one mile of cable run through two and a-quarter inch iron pipe, laid in a wooden trough filled with tar

and sand. This company also use the Kerite cable with satisfactory results.

The Bankers and Merchants' Telegraph Company have six (6) miles of four (4) inch conduits for main line, and four (4) miles of two (2) inch conduits for branches, using kerite cable, run through iron pipe, which gives satisfaction.

The Chicago Sectional Underground Company have seven and a-half ($7\frac{1}{2}$) miles of conduits of the Dorsett plan, which is a nine (9) inch Asphaltum pipe or conduit, with fourteen (14) two and a-quarter ($2\frac{1}{4}$) inch ducts or tubes, each capable of accommodating from fifty (50) to one hundred (100) wires.

This system is owned and operated by private enterprise, and each duct is rented at so much per annum.

The Telephone Company have about four (4) miles of fifty (50) wire, Patterson cable, laid in a wooden trough filled with concrete. They also use one (1) or two (2) of Waring cables, besides renting part of the Dorsett conduit from Sectional Underground Company.

The city of Chicago has the police and fire alarm wires underground for about one (1) mile square, in the business centre, using a nine (9) inch composition pipe, with heavily Kerite insulated wires run separately. These wires have been in service over one year, and give general satisfaction. There are other cables in use, but I mention the above, particularly to show that the system has passed the experimental point.

In considering this question, it must be remembered that the lines of all commercial telegraph companies

pass through the large cities of the country, and the general enforcement of a law to place all wires underground would be attended by some financial sacrifices, which, however, would be only temporary, as the immense saving in the wear and tear to which overhead wires are subject, would not only equalize the expense account in a few years, but would make a good showing in favor of the companies.

To make the law as unobjectionable as possible, I would recommend that a district in the business part of the city be laid off, with the City Hall as the central point, and all companies be compelled to comply with its provisions within such time as may be decided upon in the future. This to be followed by another district each year until all wires are underground. The object could thus be obtained without serious inconvenience or injury to any corporation or persons.

In cities where laws have been passed for this purpose, they have not been enforced, with the exception of Chicago, for the reason that the city authorities have failed to do what they imposed by law on private corporations. It certainly seems inconsistent to compel telegraph companies to do that which necessitates a heavy expenditure of money, unless the city sets the example. I must recommend, therefore, that the wires owned by the city be placed underground in the district decided upon, and all telegraph, telephone and electric light companies be ordered to do likewise within a given period.

POLICE PATROL TELEGRAPH.

The Middle Police District has been fully equipped, during the past year, with the Police Patrol Telegraph. This system, while entirely new with us, has been in operation for the past four or five years, and its merits fully recognized, both by police authorities and the public, in Chicago, Washington, Philadelphia, Pittsburg and other cities. It was put in service in Baltimore on October 26, 1885, and its invaluable services to the Police Department is best explained by the following extract from the report of Police Marshal Frey :

“The Telegraph Patrol System, which was put in operation in the Central District October 26, 1885, far exceeds the expectations of all who had not seen its workings previous to its adoption in this city.

“Among its many advantages are the following: policemen can communicate at any time with the Central station without leaving their posts, nor do they leave their posts to convey prisoners to the station, but the wagon is called and the prisoners sent in, the policemen continuing to patrol their posts. They do not become fatigued by wrestling with prisoners, and the unsightly scenes of dragging and fighting persons, under arrest, through the streets, are avoided. In case of extraordinary disturbances, policemen can call for assistance, and in a few minutes a sufficient force can be present to suppress the disorder. It is of great service in cases of accident or serious assaults, in conveying injured persons to Hospitals, or to their homes, as it has all the appliances of a first class ambulance corps. It is of such great value to the department that

I would suggest its adoption for each Patrol District in the city."

The Board of Police Commissioners also endorse the usefulness of this great improvement, and sustain the recommendation of the Marshal of Police for its adoption throughout the entire city. The system so far seems to meet every requirement, and is an important adjunct to the police department.

HOUSE OF CORRECTION LINE.

This line is in very good condition, having had a general overhauling. All the slack taken out of lines, old poles replaced by new ones, poles straightened up, trees trimmed, &c.

WATER BOARD LINE.

The wires connecting the different stations on the Water Board line with the Water Department in this city have been placed in good working order. New poles have been placed at numerous points where the old poles were rotten. Poles straightened up, slack taken out of wires, trees trimmed, new wire substituted for the old at several points where the wire had become rusty and corroded, thereby greatly improving the general working of the line.

BAYVIEW ASYLUM TELEPHONE LINE.

This line has been completely remodelled during the year by transferring the poles from the south to the north side of the road. This change was made necessary by the building of a heavy line of commercial

wires over the same route by the Baltimore and Ohio Telegraph Company, that rendered the telephone service unserviceable. The change has benefited the line considerably, although it cannot be made to work perfectly clear on account of the other commercial wires that are run so close to it at different points along its route.

MARINE HOSPITAL LINE.

The line to the Marine Hospital is comparatively new, being built in 1884, and is in very good condition. It will need trimming out and a few poles straightened up during the year.

ESTIMATE OF EXPENSES FOR 1886.

Salaries.	Per Annum.
Superintendent.....	\$2,000 00
4 operators, at \$1,200 each	4,800 00
1 lineman.....	1,200 00
1 assistant lineman	1,000 00
1 batteryman.....	1,200 00
	<hr/>
	\$10,200 00
For batteries.....	3,100 00
Material and general repairs line.....	2,200 00
Wear and tear of line.....	600 00
House of Correction line.....	300 00
Water Board line.....	250 00
Bayview telephone line.....	100 00
Marine Hospital line.....	100 00
Electrical apparatus, City Hall.	100 00
	<hr/>
Total	\$16,950 00

The force of this office is as follows:

Operators.—H. P. Lucas, Alexander Crummer, F. L. McAleese, F. J. Connor.

Substitute Operator.—Wm. H. Bauer.

Lineman.—Robert Kain.

Assistant Lineman.—J. M. Nugent.

Batteryman.—T. F. Byrne.

In conclusion, I must return thanks to the members of the Police and Fire Department for their kind assistance, and to the employees of this Department for the faithful performance of their duties.

Respectfully submitted,

CHAS. J. McALEESE,

Superintendent Police and Fire-alarm Telegraph.

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